

Quarter Century Wireless Association
PO Box 3247
Framingham, MA 01705-3247



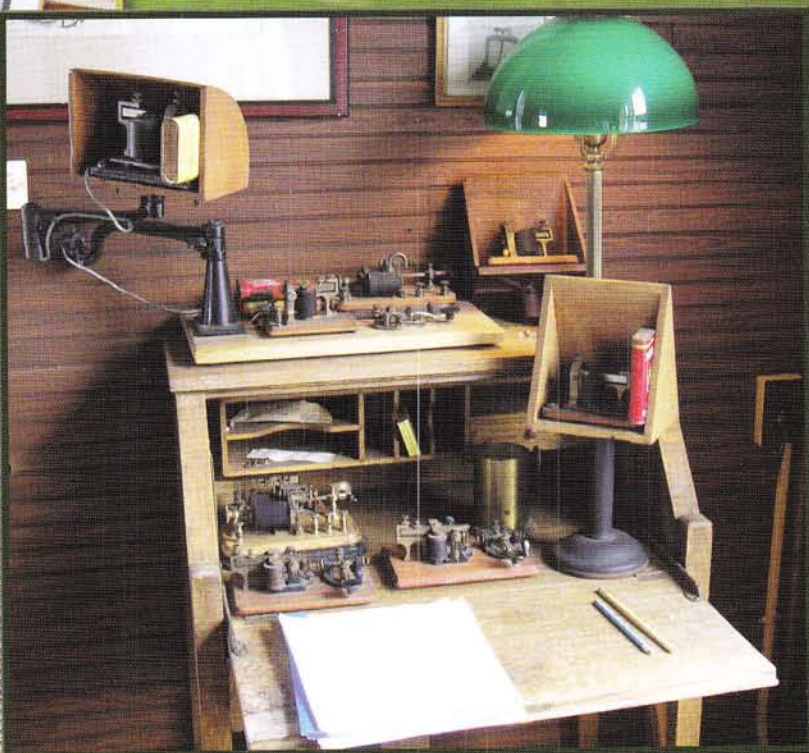
QCWA Journal

Quarter Century Wireless Association - Founded in 1947

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The New England Wireless and Steam Museum



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(see ordering information on back inside cover)



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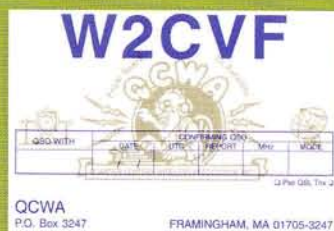
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QCWA Life Member label. Great for letters or QSO cards! Size: 1.5" X .75". 450 pieces per order.



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QCWA Member label. Great for letters or QSO cards! Size: 1.5" X .75". 450 pieces per order.



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QCWA 50-Year label. Great for letters or QSO cards! Size: 1.5" X 1". 400 pieces per order.

(*items shown are not to scale and may differ slightly from photos)



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Business Office

QCWA, Inc.
P.O. Box 3247
Framingham, MA 01705-3247
VP: 508-405-1930
FAX: 508-405-1965
EMAIL: qcwagm@rcn.com

Editor/Designer

Douglas Walbridge
P.O. Box 3247
Framingham, MA 01705-3247
EMAIL: qcwaeditor@gmail.com

Webmaster

Bob Roske, NØUF
993 Hassan Street SE
Hutchinson, MN 55350-3215
VP: 320-587-3890
EMAIL: broske@hutchtel.net

Proofreaders

Janet Walbridge
Ron Fish, KX1W
Le Roy Baldwin, WØOFY
Alan Pickering, KJ9N

QCWA On The Web:

http://www.qcwa.org
e-mail address:
qcwagm@rcn.com

QCWA National Nets

SSB - Sunday at 2000Z on 14347
CW - Wednesdays at 2400Z
WED (0000Z THU) on 7035

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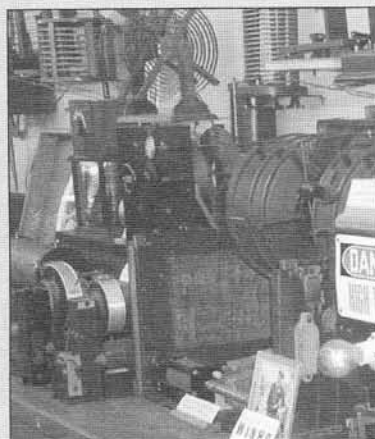
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This month's cover:

Views from the **New England Wireless & Steam Museum**. 1300 Frenchtown Rd. East Greenwich, RI 02818-1309. (401) 885-0545. The New England Wireless and Steam Museum is an electrical and mechanical engineering museum emphasizing the beginnings of radio and steam power. The museum honors engineers who achieved greatness and served the public good by analyzing and solving tough engineering problems. The museum is both archival and educational.

QCWA Officers and Board of Directors

PRESIDENT:

Bob Roske, N0UF
993 Hassan Street SE
Hutchinson, MN 55350-3215
Phone: 320-587-3890
e-mail: broske@hutchtel.net

VICE PRESIDENT:

Ken Oelke, VE6AFO
729 Harvest Hills Drive NE
Calgary, AB T3K 4R3, Canada
Phone: 403-226-5840
e-mail: ve6afo@cia.com

SECRETARY:

Walter Supina, N3WS
16008 Gulf Blvd.
Redington Beach, FL 33708
Phone: 727-392-3703
e-mail: n3wsqcwa@gmail.com

TREASURER:

Frank Harris, WA4PAM
512 Pasadena Avenue
Clewiston, FL 33440-3207
Phone: 863-983-3800
e-mail: fharrissr@gmail.com

DIRECTORS:

• Le Roy Baldwin, W0OFY
645 Mentzer Road S
Robins, IA 52328-9703
Phone: 319-395-7183
e-mail: lgbw0ofy@aol.com

• Val Erwin, W5PUT
1419 Latigo Lane
Flower Mound, TX 75022-6588
Phone: 817-490-6122
e-mail: dallascqwa@sbcglobal.net

• Gary Harrison, K0BC
P.O. Box 467
Bolivar, MO 65613-0467
Phone: 417-777-7777
e-mail: k0bc@arrl.net

• Tony Hirsch, W8RSH
6229 Olentangy River Road
Worthington, OH 43085-3469
Phone: 614-880-4466
e-mail: thirsch@ameritech.net

• Larry McCalvy, WA9JMO
5400 6 Mile Road
Racine, WI 53402-9741
Phone: 262-639-7327
e-mail: wa9jmo@wi.net

• Ken Simpson, W8EK
8400 NW 115 Avenue
Ocala, FL 34482-1098
Phone: 352-732-8400
e-mail: w8ek@FLHam.net

• Robert Smith, KK3P
6 Trout Farm Lane
Plympton, MA 02367-1617
Phone: 781-585-0117
e-mail: kk3p@arrl.net

• Ernie "Skip" Swenson, WB6VVA
299 Wattaquaddock Hill Road
Bolton, MA 01740-1236
Phone: 978-779-6468
e-mail: wb6vva@arrl.net

PRESIDENT EMERITUS

Harry J. Dannals, W2HD
1800 Bentivar Drive
Charlottesville, VA 22911-8229
Phone: 434-974-7388
e-mail: w2hd@embargo.com

GENERAL MANAGER

Chuck Walbridge, K1IGD
P.O. Box 3247
Framingham, MA 01705-3247
Phone: 508-405-1930
Fax: 508-405-1965
e-mail: qcwagm@rcn.com

EDITOR

Douglas Walbridge
17 Cedar Street
Hudson, MA 01749
978-985-5814
qcwaeditor@gmail.com

SCHOLARSHIP CHAIRMAN

Leland Smith, Jr., W4YE
170 Stonybrook Road
Wirtz, VA 24184-2610
Phone: 540-721-4684
e-mail: w4ye@aol.com

HISTORIAN

Gary Harrison, K0BC
P.O. Box 467
Bolivar, MO 65613-0467
Phone: 417-777-7777
e-mail: k0bc@arrl.net

ACCOUNTANT

Gray, Gray, & Gray, LLC
Richard Tardiff, CPA
34 Southwest Park
Westwood, MA 02090
Phone: 781-407-0300
Fax: 781-407-0303

WEBMASTER

Bob Roske, N0UF
993 Hassan Street SE
Hutchinson, MN 55350-3215
Phone: 320-587-3890
e-mail: broske@hutchtel.net

QCWA HOME PAGE:

<http://www.qcwa.org>

Past Presidents

John DiBlasi, W2FX (SK) 1947 - 1964

Earl R. Thomas, W2MM (SK) 1965 - 1968

Clarence Seid, W2KW (SK) 1969 - 1971

Barry Goldwater, K7UGA (SK) 1972 - 1973

Frank A. Gunther, W2ALS (SK) 1974 - 1977

Harry S. Gartsman, W6ATC 1978 - 1981

Stuart Meyer, W2GHK (SK) 1982 - 1985

Leland Smith, W5KL (SK) 1986 - 1989

Harry Dannals, W2HD 1989 - 1994

Lew McCoy, W1ICP (SK) 1994 - 1996

John Kelleher, W4ZC (SK) 1996 - 1998

Gary R. Harrison, K0BC 1998 - 2002

Croft Taylor, VE3CT (SK) 2002 - 2004

John B. Johnston, W3BE 2004 - 2008

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Ralph Barber, W2ZM (SK) 1955 - 1964

Gus Girona, W2JE (SK) 1965 - 1973

Ethel Smith, K4LMB (SK) 1974 - 1976

Ted Heithecker, W5EJ (SK) 1976 - 1991

Jim Walsh, W7LVN (SK) 1991 - 2003

The QCWA Journal

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The JOURNAL is available free to blind paid-up members on audio cassette tape. For more information, contact Vic Culver, W4VIC, 1020 Lyndhurst, Virginia Beach, VA 23464.



SPRING 2011

The 2011 Convention is in Warwick, RI the weekend after Labor Day. It kicks off with the Board of Directors meeting on Thursday, the 8th, and concludes with an ARRL HQ Tour on Monday the 12th. Get all the details and a registration form at the center of this issue. ARRL President Kay Craigie, N3KN, is scheduled to speak at the Friday night Meet-N-Greet!

The 2012 Convention is scheduled for Reno, NV. We are looking for a chapter, or chapters, to step up and apply to host our convention in 2013. You should start planning very soon. It takes longer than you think and time really does fly!

QCWA in the 21st Century! On Dec 15th we turned on the process to allow the ability to process membership applications on-line. Payment will be called or faxed in or a check can be mailed. A 7-business day window has been decided on as adequate to allow for the funds to arrive, with reminder emails sent at 3 and 6 days. More information and the on-line forms are available at: <http://www.qcwa.org/how-to-join.php> We have had 14 on-line applications submitted by Dec 31st.

It's a strange situation where one of the first duties to be performed is to appoint people to find your replacement! I have made appointments to the Nominating Committee for the 2012 election. More information will be coming in future issues of the Journal and on the QCWA web site.

A little history; our logo was developed from a cartoon in a 1923 QST accompanying an article "ROTTEN QRM", written by "The Old Man" himself, Hiram Percy Maxim. Otto Eppers, W2EA, a commercial artist, made some minor modifications to the drawing, added some sparks and the letters "QCWA", and the QCWA logo was born. Every few years someone brings to our attention the fact that a pipe smoker is not politically correct and they are correct. Smoking isn't good for you or the people around you. However, I doubt that our logo will inspire anyone to start smoking; just as removing the pipe from our logo will not sway anyone to stop.

We have requested a forum time slot at Dayton again this year. As is typical, we'll probably have Sunday morning again. This isn't bad if you know about it in advance. Now you know. If you're not hanging around until Sunday, stop by our booth any time Friday or Saturday and say hello.

Don't forget the Spring QSO Party on April 2 and 3. Feel free to operate any or all of the four categories, CW, Phone, Mixed and CQ100. Cu on the air!

73 de NØUF op Bob Roske tu ..
QCWA President

Tad Burik, K3QC, a member from Florida, is a volunteer puppy raiser for the Guide Dog Foundation For the Blind, Inc. This is a non-profit group whose goal is to provide dogs to support blind and others with disabilities. The organization has just announced a new partnership with the Massachusetts Department of Corrections to place puppies in correctional institutions. The Foundation is, however, in need of additional individuals to help raise the puppies until they are ready for full training. While this addresses the need in Massachusetts, the organization is always in need of support nationwide. If you are interested, check the foundation's web page at: <http://www.guidedog.org>. This is a very worthwhile program!

The Quarter Century Wireless Association

The Quarter Century Wireless Association, Inc. was founded December 5, 1947, as a non-commercial association of radio amateurs organized for the promotion of interest in Amateur Radio communication and experimentation, for the establishment and advancement of the radio art and of the public welfare.

QCWA is an incorporated association without capital stock chartered under the laws of the State of New York, and is a tax exempt 501(C)3 organization under the Internal Revenue Code of 1986.

Its affairs are governed by a President, Vice President, Secretary, Treasurer and a Board of Directors, whose voting members are elected every two years by the general membership.

In order to qualify for membership in QCWA one must have demonstrable proof of having been first licensed as an Amateur Radio operator at least 25 years prior to application for membership and must be currently licensed. Membership inquiries and general correspondence should be addressed to the business office at P.O. Box 3247, Framingham, MA 01705-3247 U.S.A.
VP: 508-405-1930
FAX: 508-405-1965
EMAIL: qcwagm@rcn.com



The Handihams Program and QCWA

The Courage Center Handihams System provides tools for people with disabilities to learn Amateur Radio and technology skills and earn their Amateur Radio license. By working through the process of earning an amateur radio license, the members become familiar with setting goals and following a plan to achieve them. Much of this training occurs through summer camps run by Handihams and supported by very dedicated volunteers. Handihams is part of the Courage Center, a non-profit rehabilitation and resource center that advances the lives of children and adults experiencing barriers to health and independence.

One thing that has remained a vital part of amateur radio and the Handihams system is the community spirit that exists – the spirit of helping each other and learning new things together. As people age, they may need to accommodate disabilities that include reading the display on a radio. Handihams' goal is to help people with disabilities stay active in amateur radio when life presents difficult choices.

QCWA's involvement with Handihams started in the 1970s, as a program to provide our sight-impaired members a way to participate in QCWA through an audio version of the QCWA Journal. The original director of that activity was Blanche Randles, W4GXZ, and the first reader was Fr. Tom Carten, K1PZU. To distribute those recordings, QCWA partnered with the original Handihams organization, which, at the time, was supplying various audiotapes to sight-impaired hams.

As technology has advanced, tapes are no longer provided. Vic Culver, W4VIC, now directs our Journal program; the Journal is read by Robert Zeida, N1BLF, who reads for a number of organizations. Audio CDs are provided to six members while others use an audio download from the QCWA web page.

At a recent Yankee Chapter meeting, our program, presented by Phil Temples, K9HI, was a video prepared by hams who are members of the Handiham program. Phil is one of the volunteers working within the program. The video presents a very inspiring story showing the enthusiasm and drive of these young and old people who were determined to overcome various disabilities and learn the technical and operating aspects of ham radio. The video was taken at a summer camp run by the Handihams organization.

A copy of this video DVD is available from the office at no charge. If a member of your chapter needs an audio copy of the Journal, contact Vic Culver at: vic@w4vic.com, for further information. QCWA donates funds yearly in support of this program. I personally encourage chapters, after viewing the video, to consider their own contribution to the Handihams program. Further information about the Courage Center and Handiham system is available at <http://handiham.org>.

Charles Walbridge, K1IGD, General Manager

GENERAL MANAGER'S Report

Chuck Walbridge, K1IGD



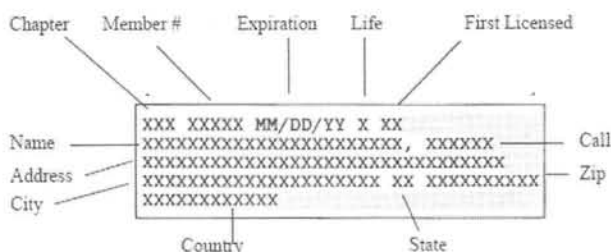
SPRING 2011

DAYTON HAMVENTION, 2011: We will be requesting the same booth as we had in 2010 (325). It is best to check the program to confirm our location. A report by the Board to the members will be presented at a membership meeting on Sunday morning. Check at the booth for time and location. Be sure to stop at the booth, sign in and have an "eyeball" QSO with a member of the staff. If you have never treated yourself to the "Dayton Hamvention" experience, pack a bag and join in the fun!

CHAPTER 9 QCWA BANQUET: Chapter 9 will host the Hamfest QCWA banquet on Friday evening, the 20th. The program will be a presentation by Richard Black on "My Life as an Artist".

The banquet will be held at the Holiday Inn, Dayton Airport, corner of N. Main St. and I-70 at 7:30 PM. Reservations need to be made by May 10th. Send your check for \$25 per person, made out to Chapter 9, to: Jerry Raglund, WA8BOB; 409 Park Ave.; Franklin, OH 454005-3550.

JOURNAL MAIL LABEL: During the year, I receive phone and email requests asking about membership expiration dates. All that, and more, is part of the label on each issue of the Journal. Below is a sample of the label with the various items identified.



CHAPTER REPORTS: "Thank you" to all the Chapter Secretaries for returning the Chapter Reports. This form certifies your chapter charter for another year. Information on the form is used to prepare the annual list of active chapters, provided to each new member and also posted on the web page.

Jan and I hope all the members enjoyed a great holiday season! We look forward to seeing old and new friends at Dayton. Have a safe trip!

73 Chuck, K1IGD, General Manager

CORRECTION: In the Winter 2010 issue, on page 25, Chapter Reports, Chapter 126 Piedmont (NC). Both pictures have the wrong call sign. The correct call for Bob Saunders is W2IKN not W2ITN.

QSO Party Results

Rules/logsheets/summary form are available at website www.qcwa.org/qso-party.htm

QCWA September 2010 QSO Party - Mixed

Call	Name	Chapter	Tot. Score
WA6KHK	Frank	CA	24640
N4ARO	Dick	182	2520
WB5NMZ	Mark	AL	986
K4BAI	John	GA	960
K3DQB	Walt	165	629
W3OOS	Rich	5	450
KR4VS	Marty	62	150
NZ1D	Bill	FL	135
K4CC	Cary	FL	88
VE3VCF	Guy	70	81

QCWA September 2010 QSO Party - Phone

Call	Name	Chapter	Tot. Score
VE3CT	Croft	70	5184
W3NZ	Ed	119	940
W3UQH	Duane	31	693
WA8SUA	Greg	62	88
VE3HKG	Frances	70	81
W3GQJ	John	217	48
W3HH	Doug	62	35
VE3BNO	George	70	35
K9PNP	Mitch	IN	25
K8IZK	Bob	OH	24
N5LUL	Brad	141	15
WQ6CWA	Charles	213	8
VE3ZC	Joan	70	2
N8OFS	Andy	OH	2
WA9JMO	Larry	162	1

Headquarters Station

W2MM	Matt, W2AOJ 138 Frank, W2XYZ Joe, W2KQ Bob, W2OD	7906
------	---	------

QCWA September 2010 QSO Party - CW/DIGITAL

Call	Name	Chapter	Tot. Score
AA5KV	John	85	3648
WB4DCM	Charles	126	3300
K9VKY	Brian	6	2940
N3WS	Walt	203	1856
VA3RKM	Bob	70	1400
W4PK	Sam	VA	1334
W4YE	Buddy	202	1296
N6CMF	Phil	130	570
K1QW	Larry	MA	220
K1M	Peter	146	144
AD5HH	Dave	63	112
K2HY	Hal	62	96
W8IM	Dean	217	40
N2WN	Jules	TN	18

Headquarters Station

W2MM	Ben, N6SL	62	4620
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ANOTHER YEAR

As I write this summary of another year of QCWA's QSO parties it is just one week before Christmas, 2010. The deadline for the QCWA 2011 Spring Journal is two weeks away and with a little luck you will be reading this in March-April of the new year 2011. The next QSO party will be just about to begin or will be over. 55 Years of QCWA QSO Parties will have begun.

2010 has not been a good year for this activity. In the Fall 2010 Journal issue I had noted that in the last 10 years the number of logs submitted had dropped to a low of 101 in 2008. This year the HF logs submitted (excluding W2MM) was 99. The number of contacts for these logs is just below 1000. On the new QsoNet activity on the internet W2MM worked 14 stations but only one log was submitted so there was no competition. The ARRL has been promoting each US State having a QSO party with the result that there is much more competition on every weekend. Our usual weekend of April 9-10 now also supports the Montana and Georgia QSO Parties. We have moved to April 2-3 where we only compete

with the Missouri QSO Party. This year we have eliminated the rules pertaining to working another member in your own Chapter, and the 50-mile distance rule for working Headquarters station W2MM.

Thanks to those who responded to my query re eliminating those restrictions. They also suggested that we move our QSO Party hours from Saturday – Sunday to Sunday – Monday on the basis that a large number of our members would be able to QSO on Monday as they were retired and it would alleviate the competition problem. Or, instead of a 24 hour period, reduce the hours to two 8-hour periods which would concentrate the number of participating stations on the air during the contest. Let me know your thoughts.

I am also grieving the loss of a good friend, and a valuable member of QCWA, Croft Taylor, VE3CT, who passed away on 11/17/10. Croft has served our Organization very well for many years and was a very active participant and certificate winner in our QSO Parties. He also served for many years as a standby net control station for the Sunday afternoon QCWA SSB net. It was sobering to receive the last results from Bob Buus and find Croft once again held top place in the phone category.

George Roach, VE3BNO

Activities Manager

groach@storm.ca.

(613) 234 0885

104 Strathcona Ave. Ottawa ON K1S 1X6 Canada

Certificate Winners: Fall QSO Party, September 2010 – 54th Year

CALL	NAME	LOCATION	CHAPTER	RANK	CATEGORY
AA5KV	John Stewart	Shreveport, LA	CH 85	Highest Score	CW/Digital
WB4DCM	Charles Swindell	Raleigh, NC	CH 126	2nd Highest	CW/Digital
K9VKY	Brian Roberts	Fombell, PA	CH 06	3rd Highest	CW/Digital
VA3RKM	Robert MacKenzie	Ottawa, ON	CH 70	Highest Cdn.	CW/Digital
VE3CT	Croft Taylor	Ottawa, ON	CH 70	Highest Score	Phone
W3NZ	Ed Redington, Jr	Wilmington, NC	CH 119	2nd Highest	Phone
W3UQH	Duane Redline	Fleetwood, PA	CH 31	3rd Highest	Phone
WA6KHK	Frank Romano Jr.	Menifee, CA	CA	Highest Score	Mixed
N4ARO	Dick Church	Johnson City, TN	CH 182	2nd Highest	Mixed
WB5NMZ	Mark Wintersole	Montgomery, AL	AL	3rd Highest	Mixed
VE3VCF	Guy Charron	Ottawa, ON	70	Highest Cdn	Mixed

QSO Party Results

Rules for the 55th Annual Spring and Fall QCWA QSO Parties - 2011

All licensed Radio Amateurs worldwide are invited to participate in the QCWA QSO Parties. Time/Dates: The Spring QSO party commences on April 02, 2011, and the Fall Party on September 3. They start at 1800 Z and run for a period of 24 Hours. CW, Phone, and digital modes may be used. The virtual internet program QsoNet(cq100) can be used during the QSO Parties. A separate log is required. Contacts made on QsoNet will only be scored with contacts made via QsoNet on 3.500 to 29.700. Remember that QsoNet cannot be combined with HF contacts. A separate log is required.

Frequencies: The following 11 Bands may be used:

160: 1.800 - 2.000	20: 14.000 - 14.350	6: 50.000 - 54.000	UHF: Above 420 Mhz.
80: 3.500 - 4.000	15: 21.000 - 21.450	144: 144.0 - 148.0	
40: 7.000 - 7.300	10: 28.000 - 29.700	220: 220.0 - 225.0	QsoNet 80 to 10

No contacts are permitted on the 10, 18 and 24 Mhz. bands, nor are Crossband or Repeater Contacts allowed

Suggested Starting Frequencies:

CW: 1.810: 3.540: 7.035: 14.040: 21.050: 28.050
Phone: 1.845: 3.810: 7.244: 14.262: 21.365: 28.325

Information Exchange: Call / Year / Name / Chapter, State, Prov. or Country. Fill all Columns on the the Log Form. For the "year" column, indicate the last 2 digits of the year the contacted operator was first licensed. If that station does not belong to a QCWA chapter show only the State, Province or Country of its location. The latter would apply to Non-QCWA members as well as to QCWA members not affiliated with a local chapter. Do Not mention the term "At Large"(AL) as was done several years ago, as this can be confused with AL for Alabama. For Band info, simply indicate one of the above 10 Bands in the "band" column. Digitally produced logs should supply the same information as is in the published log.

Categories: You may choose to work all modes (**MIXED**) or only (**PHONE**) or only (**CW/DIGITAL**). Certificates will be issued for each Category of "Cw/digital", "Phone", or "Mixed".

Scoring: Each Phone QSO is worth one contact point. Each CW QSO or a Digital Mode QSO such as RTTY, PSK31, MFSK etc. is worth 2 contact points (show 2 points in the QSO "Pts" Column on the Log). Any station may be contacted once per mode per band. CW is considered a digital mode so a station contacted both on cw and a digital mode on the same band can only be scored once. Regardless of band or mode a multiplier of only one point per contest is allowed for each QCWA chapter worked and for each state, Province or Country reported from stations not belonging to a QCWA Chapter. A Multiplier of 3 points will be given on each band for working our Special Events Station W2MM. It is hoped to have this station active throughout the two parties. Sample logs and a summary sheet may be requested from QCWA Headquarters with an SASE. The address is P O Box 3247 Framingham, MA 01705-3247 U.S.A. and on the internet at www.qcwa.org

Awards: Certificates will be issued for the top 3 World Scores in each category. A certificate will also be issued for the top score in each category in each participating Country.

Send Logs to: W2OD, Robert Buus, 8 Donner Street, Holmdel, N.J. 07733-2004, U.S.A. or as an e-mail attachment to: w2od@aol.com (within 30 days of contest) Contacts using QsoNet (cq100) must be logged on a separate log form and will be scored only with other QsoNet contacts. Rules/logsheets/summary form are available at website www.qcwa.org/qso-party.htm

Summary Paragraph : In order to assist the log checker, please include, along with your logs, a summary Paragraph as shown below.

QSO'S		CONTACT POINTS
CW Contacts (Digital)	X 2	= _____
Phone Contacts	X 1	= _____
Total Contact Points		= _____ (A)
Multipliers		= _____ (B)
Total Score = A x B		= _____
CATEGORY	CW/DIG ()	PHONE ()
		MIXED ()

Send your log along with the above summary paragraph to the following address within 30 days of the QSO Party. All participants are encouraged to send in logs no matter how few or how many contacts you have made.

Send logs to: ARS:W2OD Bob Buus, 8 Donner Street, Holmdel, NJ 07733-2004, USA or as an e-mail attachment to w2od@aol.com

QSO Party Results

2011 QSO PARTY

Name: _____

Call:

Final Score:

Address:

Chapter #

QCWA Membership Number

Mode Entered
(circle one)

MIXED

PHONE

CW/DIGITAL

[illegible]



Rules and Regs Digest

John B. Johnston, W3BE, 17701 Bowie Mill Road, Derwood, MD 20855-1608

MORSE ENDORSEMENT?

Q. Our VE team had a request for a Morse code endorsement on a license renewal. Is there such a thing?

A. No. Telegraphy skill is no longer a requirement in qualifying for a FCC-issued amateur operator license.

Q. I've looked through the rules and can't find a specific prohibition for this: Playing a recorded announcement periodically on our repeater. It's a recording of a person delivering the message instead of relying on the recorded "mechanical voices" we currently use to deliver time, identification, weather and other amateur radio related announcements. Am I missing anything?

A. Nope. Section 97.3(c)(5) defines a phone emission type as speech and other sound emissions having certain designers. It doesn't get into whose speech or sound it is.

Q. Can our club use its repeater to retransmit severe weather forecasts from a NOAA Weather Radio Station?

A. Yes, assuming that your question misuses the word "rebroadcast" and that you really mean, "retransmit." Section 97.113(e) specifically authorizes limited retransmissions of propagation and weather forecast information intended for use by the general public and originated from U.S. Government stations. Such amateur station retransmissions, however, must not be conducted on a regular basis, but only occasionally as an incident of normal amateur radio communications.

For your system, keep in mind that your repeater would be – under the authority of Section 97.111(b)(6) – making a one-way transmission necessary to disseminating an information bulletin. The definition of such a bulletin is stated in Section 97.3(a)(26). It is a message directed only to amateur operators consisting solely of subject matter of direct interest to the amateur service.

Section 97.113(b) says that an amateur station shall not engage in any form of broadcasting. Section 97.3(a)(10) defines the term "broadcasting" as transmissions intended for reception by the general public, either direct or relayed.

DISCLAIMER: Opinions expressed by the authors of articles contributed to the Journal do not represent the official position of the Officers or Directors of the Quarter Century Wireless Association, Inc.

Q. What is the NOAA Weather Radio?

A. The National Oceanic & Atmospheric Administration is part of the Department of Commerce. Its NWR is a nationwide network of VHF radio stations broadcasting continuous weather information direct from a nearby National Weather Service Office. The broadcasts include forecasts, watches, warnings and other hazard information for all types of hazards both natural (such as earthquakes and volcano activity) and environmental (such as chemical releases or oil spills). See the website at www.nws.noaa.gov/nwr.

Q. Where are the NWR channels?

A. There are seven NWR channels: 162.400 MHz, 162.425 MHz, 162.450 MHz, 162.475 MHz, 162.500 MHz, 162.525 MHz and 162.559 MHz. Many of our VHF receivers can tune in the broadcasts directly.

Q. The National Weather Service broadcasts sometimes contain tones interspersed with the speaker's voice. Can these tones be retransmitted on our repeater?

A. Yes. Section 97.3(c)(5) says that incidental tones for the purpose of selective calling or alerting or to control the level of a demodulated signal may be considered a phone emission type.

Q. The proper ID after a beacon station transmission should be its call sign and location. Am I missing anything here?

A. The station identification announcement is, as it says in Section 97.119(a), the station's assigned call sign at the end of each communication, and at least every 10 minutes during a communication, for the purpose of clearly making the source of the transmissions from the station known to those receiving the transmissions. That assigned call sign is the one appearing on the ULS station license grant under the authority of which the beacon is transmitting.

An e-mail from an AAO reported that he had observed beacon stations including with their call sign the self-assigned indicator "/B." He claimed that because that prefix is assigned to another country, including it as an indicator is contrary to Section 97.119(c). It says that one

or more indicators may be included with the call sign. Each indicator must be separated from the call sign by the slant mark (/) or by any suitable word that denotes the slant mark. If an indicator is self-assigned, it must be included before, after, or both before and after, the call sign. No self-assigned indicator may conflict with any other indicator specified by the FCC Rules or with any prefix assigned to another country.

Note: The indicators specified in Section 97.119(f) are AE, AG and KT. Additionally, the FCC webpage About Amateur Reciprocal Operating Arrangements says that when a station is transmitting under the privileges afforded by an amateur service license granted by the Government of Canada or an amateur service license granted by any other country with which the United States has a multilateral or bilateral agreement, an indicator consisting of the appropriate letter-numeral designating the station location must be included in the station identification announcement. They are KH1, KH2, KH4, KH5, KH5K, KH6, KH7, KH9, KL7; KP1, KP2, KP4, KP5, W0, W1, W2, W3, W4, W5, W6, W7, W8 and W9.

Q. Just answer yes or no the question of whether it is OK to sign /B for a beacon station ID, because "B" is supposedly a prefix assigned to another country. While the entire BAA-BZZ block is assigned to China, I don't believe a single B is used in Chinese amateur station identifications.

A. No. Not by stations transmitting from places where the amateur service is regulated by the FCC, anyway. Whether or not the foreign country does or does not make use of its ITU-assigned block is beside the point. Use of the letter B is the People's Republic of China's prerogative, that being its nationality identification. To use B for a self-assigned identifier, therefore, would not be compliant with Section 97.119(c) which says that no self-assigned indicator may conflict with any other prefix assigned to another country.

I.T.U. Article 19.50.1 says that for call sign series beginning with B, F, G, I, K, M, N, R, W and 2, only the first character is required for nationality identification. For a more comprehensive discussion, see BE Informed No. 52 Including A Self-Assigned Indicator.

Q. Our club has a VHF net. The club's station location is changed each week to the then net control's QTH. When acting as net control, should the net control operators identify using their own call letters or should the net control identify using the club's call letters?

A. That's a question to be answered by the license trustee of your club station license and the licensees of the primary stations licensees serving as the net control station. See BE Informed No. 4 WHICH CALL SIGN for a discussion of the several issues that you should be considering.

Q. Doesn't a hidden foxhunt transmitter have to have a photocopy of the station license and a label with the name, address, and telephone number of the station licensee and at least one designated station control operator attached?

A. No, it doesn't. There are no special FCC rules for amateur station "foxhunts." The only such posting requirement is in Section 97.213(d). But it applies just to telecommand when there is a control link between the control point and the station sufficient for the control operator to perform his/her duties.

Q. What is the rule that authorizes our foxhunt transmitters to operate unattended?

A. There is no such rule. Section 97.7 says that when transmitting, each amateur station must have a control operator. That includes stations engaged in secreted transmitter activities.

Q. How do repeaters get away with transmitting without a control operator?

A. No repeater is exempt. Our amateur service community was successful in convincing the FCC that, in many instances, a repeater could achieve compliance with the FCC rules through the use of devices and procedures such it was not necessary for the control operator to be at the control point. Section 97.3(a)(6) defines this as automatic control. In Section 97.205(d), repeaters are authorized for automatic control.

Q. How do we go about obtaining automatic control authorization for foxhunt transmitters?

A. File a petition for rulemaking. The better answer is to convince our amateur service community, before filing, that what you want to do will not cause interference to their other intercommunications. The FCC will likely want to know about that and will eventually ask for public comments if it decides that your request is at least worth proposing.

Q. Besides repeaters, which other amateur stations are authorized for automatic control?

A. They are: An auxiliary station (Section 97.201(d)), a beacon station transmitting on certain band segments (Section 97.203(d)), a station transmitting a RTTY or data emission on certain band segments (Section 97.221(b)) or responding to interrogation by a station under local or remote control that does not occupy a bandwidth of more than 500 Hz (Section 97.221(c)).

Q. What are the requirements for automatic control?

A. Your devices and procedures must work such that while

your repeater is transmitting, compliance with the FCC rules is achieved without the control operator being present at a control point. See Section 97.3(a)(6). It is up to the station licensee to assess the circumstances that the repeater is likely to encounter, determine threats that might cause it to transmit improperly; then decide whether automatic control would be appropriate and the form it should take.

Q. For two identical transmissions from the same station on the same channel within the same band, with both being fed to the same antenna, what would be the maximum power limit?

A. Section 97.313(a) says an amateur station must use the minimum transmitter power necessary to carry out the desired communications. It comes from the Communications Act SEC. 324 [47 U.S.C. 324]. It is widely viewed as an admirable guideline – at least for everyone else to observe. Within that constraint, there are more limits:

Sections 97.313(b) through (h) say that no station may transmit with a transmitter power exceeding a specified PEP in watts for the band or segment.

Section 97.13(c) says that before causing or allowing an amateur station to transmit from any place where the operation of the station could cause human exposure to RF electromagnetic field levels in excess of those allowed under Section 1.1310, the licensee is required to take certain actions. This requirement comes from the National Environmental Policy Act of 1969, as amended [42 U.S.C. 4321–4335].

Section 97.101(a) says that in all respects not specifically covered by FCC Rules each amateur station must be operated in accordance with good engineering and good amateur practice.

For most stations making power amplitude emission transmissions, however, the practical limit is probably determined by the licensee's personal agenda, budget and engineering resources, and contest entry rules.

Q. What is "PEP?"

A. It is an expression of RF power, in watts, that applies well to practically all emission types and for which reasonably accurate measuring instrumentation is widely available to amateur stations. Section 97.3(b)(6) defines peak envelope power as the average power supplied to the antenna transmission line by a transmitter during one RF cycle at the crest of the modulation envelope taken under normal operating conditions.

Q. Once you share a common exciter, or even a common oscillator, or somehow phase-lock two oscillators together, you have one transmitter. What, then, is a transmitter in the context of Section 97.313(b) where it says that no station may transmit with a transmitter power exceeding 1.5 kW PEP?

A. There is no definition for the term "transmitter" in Part 97, which is where such would be expected to be located if it was being used uniquely therein. Neither is there a definition for it in Part 2, where it would be expected if it was being used uniquely throughout the FCC rules.

Q. When there is a transmitter driving a linear, which is considered the transmitter?

A. When it is the apparatus producing RF power to the antenna feed line, it is the transmitter in the context of the above-proposed GAP. In which case, the device driving the amplifier – although widely known as a "transmitter" at a station without a linear – is often referred to as the "exciter" at those stations that have.

Q. What is a "linear?"

A. It is an RF amplifier that increases its instantaneous power output level proportional to its signal input without introducing unacceptable distortion. See BE Informed No. 31 HAMS LANGUAGE.

Q. If the output of one transmitter is split between two linear amplifiers feeding separate antennas, is that one transmitter or two?

A. For an isolated reading of Section 97.313(b) through (h), it would appear to be two separate transmitters. The transmitter power standards, therefore, would apply to each linear. That is likely to fail the good engineering practice test, however, unless the two signals are phase locked exactly and the two amplifiers are precisely equal in performance. Even then, there could be power fluctuations and distortion as the phases of the two transmitters drifted around.

Under the above-proposed definition for "transmitter," however, the two antennas would comprise the antenna system and the two amplifiers would be considered as one transmitter and the transmitter power standards would apply to the pair combined.

Q. Don't many of the restrictions in Section 97.313 specify the maximum power in a band or frequency segment, so even though the station is transmitting simultaneously on more than one frequency in a band, the rule limits the station's power to a maximum power for that band?

A. The several paragraphs in Section 97.313 say that no station may transmit with a transmitter power exceeding a specified PEP under various conditions. While they are usually read as to be based upon one transmitter on one channel at one station at one location with one antenna, they don't really say that specifically.



Happy Virginia Beach QCWA Hamfests Ben Baddley, W4FQT, and Ray Johnson, K5RJ.



Impromptu August QCWA seafood luncheon in Bath, ME. L-to-R: Pat & Al Corderman, W3ZD; Linda Towns, N1ZY; John, W3BE & Betty Johnston, N3PKX; Joann & Charlie Chapman, W1WTG; Bruce Randall, W1ZE; Paul Towne, N1ZYB; Sidney, K2CML, & Sarah Jo Corderman.

Read the rules - Heed the rules

Have a question about the amateur service rules?

Visit <http://www.w3BEInformed.org> and e-mail john@johnston.net.

The Rules Say... appears monthly in WorldRadio Online

at <http://www.cq-amateur-radio.com>.

QCWA Golf Shirt with Embroidered Logo

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SPRING IS HERE! Golf Shirt (light gray) with a handsome reproduction of our classic Logo in Yellow and Black. This is a prominent way to identify yourself as a QCWA member at meetings, hamfests and conventions, or great for wearing at your local radio club.

The shirt has an embroidered QCWA logo and pocket on the left side. Your name and call can be added to the right side. The shirt fabric is 50/50 cotton/polyester blend and is made by Jerzee. **The price includes prepaid delivery to your door!**

SIZE CONVERSIONS:

- 34 - 36 = Small
- 38 - 40 = Medium
- 42 - 44 = Large
- 46 - 48 = XL
- 50 - 52 = XXL
- 54 - 56 = XXXL

PRICES:

Small, Medium, Large, Xtra Large	\$28.00
XX Large	\$30.00
XXX Large	\$32.00
XXXX Large (special order)	\$34.00
Name and call, per shirt	\$7.00

Name: _____

Call: _____

Golf Shirt Size (please circle proper size)

Small / Medium / Large / Xtra Large	\$28.00
XX Large	\$30.00
XXX Large	\$32.00
XXXX Large (available on special order)	\$34.00

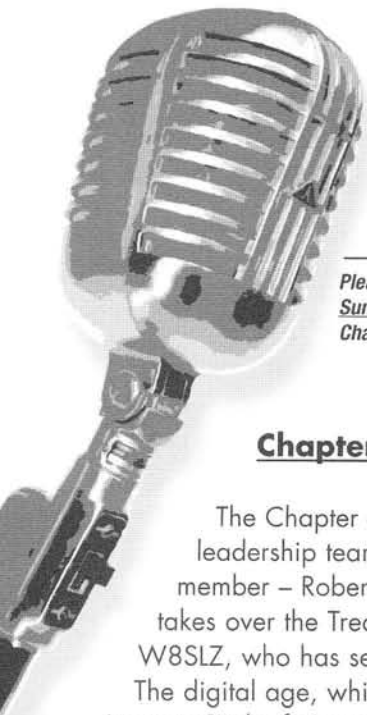
Number of Shirts

To include your name and Call (per shirt) \$7.00

Total Amount

(includes shipping)

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Phone: 508-405-1930 • FAX: 508-405-1965 • email: qcwagm@rcn.com
website: www.qcwa.org



CHAPTER reports

Please send the reports to: Chuck Walbridge, General Manager, to arrive **NO LATER** than the following dates: **January 1 for Spring, April 1 for Summer, July 1 for Fall and October 1 for Winter.** Reports received later than the deadline may not be published in the Journal! See below for Chapter Report submittal requirements!

Chapter 1, Cleveland (OH)

The Chapter continued its transition to a new leadership team with the addition of a new member – Robert Knaack, K8RDK – who also takes over the Treasurer's post from Ray Wassum, W8SLZ, who has served long and well.

The digital age, which has been a growing part of Amateur Radio for some time, was in the spotlight at our January meeting. The topic? Software-defined radios. Guest speaker Dave Kennett, W8KFJ, gave members a tutorial on how this mode is linking computer technology with ham radio. Good information for hams who haven't yet bridged the gap in their own station setup.

Is our Chapter meeting the needs of its members? What do they like or dislike? To answer these questions, a membership survey was conducted by telephone and printed surveys included with the Chapter newsletter. The results are being analyzed by the officers, with changes possible in the future.

We welcome new Chapter member Steven Molnar, W8ANJ, of suburban North Ridgeville.

D.E. "Dee" Logan, WIHEO

Chapter 6, Pittsburgh (PA)

Pittsburgh's Chapter 6 held its quarterly meeting at Rocky's II in McKees Rocks, PA on December 18th. We had a fair turnout considering winter was upon us, and our snowbird members have all headed south. After our usual luncheon and telling of tales, our meeting was brought to order. The Chapter remains solvent, and we were pleased to welcome our newest member, Joe Mielnicki, WA3FWA, to the fold. In a hotly-contested race, the Chapter 6 incumbent officers were re-elected for the 2011 term. Remaining in office are Brian Roberts, K9VKY, President; Jack Buzon,

KA3HPM, Vice President; Ed Yoder, W3YMB, Treasurer; and Brian Roberts, K9VKY, Secretary.

Following the reinstatement of officers, a briefing was presented on the W6EL Propagation Forecast Site. This site contains valuable information on Great Circle bearings and distances, MUF, a DX Prefix Locator, grey line data, as well as tabular and graphic band by band propagation predictions. Easy to navigate, the site was successfully used to work the recent Kermedec DX expedition (ZL8X) with QRP on three bands during the beginning of December.

Chapter 6 meets on a quarterly basis, and interested amateurs can get details by contacting Brian Roberts, K9VKY, directly, or by checking into the Sunday morning net. That net meets at 0830 prevailing time on 147.03 and is hosted by Bruce Murray, N3GHI. All are welcome.

Brian Roberts, K9VKY, Chapter Scribe



Nate, W3SVJ, welcomes new member Joe, WA3FWA, to Chapter 6

ATTENTION! QCWA Chapter Report Guidelines: All Chapter reports will need to follow these limits set by the Publications Standing Committee: **500 words and two photos maximum.** When taking photos, group together those receiving awards rather than individual photos. Those can always be posted on a Chapter webpage. **We do NOT guarantee that all photos submitted will be used!** When a Chapter report is submitted, please include the Chapter number in the title and then the subject line of your email and with any photos submitted. **Don't forget to send us photo CAPTIONS!** Preferred formats for the reports are: Word (.doc), rtf or plain text. Photos should be a minimum of 4 inches wide, grayscale format and at 200dpi. Larger is fine as they can be scaled down. .JPG or .TIF format is best.

Chapter 8, Minneapolis (MN)

At our November meeting, 20 members and guests enjoyed Niel Wiegand, W0VLZ's program: Two Crappie Poles and Some Wire.

In December, we once again held our Annual Holidays Party. With no business meeting or program, gifts were exchanged and eyeball QSOs were the order of the day. Minneapolis finished December with 33.4" of snowfall (a new record) with 16" still on the ground. Such is life in MinneSNOWa.

Bob Roske, NOUF, Secretary

Chapter 10, Michigan (MI)

Chapter 10 continues to have a good turnout for its Sunday morning SSB net. We meet at 8:00 AM ET on 3.903 MHz each Sunday morning. All are welcome to check into our net whether or not they are QCWA or Chapter 10 members.

Our CW net continues on 3.530 MHz each Sunday at 2:30 PM ET. Mike Hall, WB8ICN, is the usual net control but it varies at times when Mike isn't available. Stop in and say "howdy."

We are all looking forward to our Chapter annual meeting, which is held in conjunction with the Cadillac Hamfest on May 7, 2011. We always have a QCWA table at this hamfest and then move over to Burke's Waterfront Restaurant about noon for a buffet meal and our annual meeting. We will be choosing new officers to fill the office slots and we are still looking for a Chapter Historian. Please consider entering your name for one of these positions.

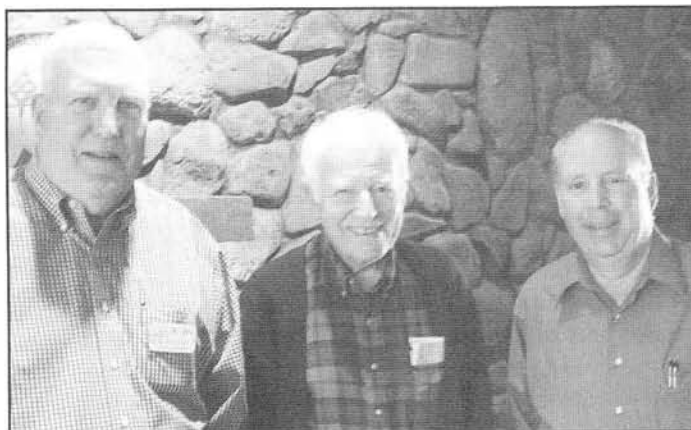
The date, time, and place of this year's Chapter 10 annual picnic will be discussed at the May meeting.

After making it through a typical Michigan winter we are all looking forward to a wonderful spring and summer.

Jeff Peters K9JP, Secretary/Treasurer

Chapter 16, Barry M. Goldwater (AZ)

The Barry M. Goldwater Arizona Chapter 16 held its Fall meeting at Monti's La Casa Vieja Restaurant in Tempe on Saturday, October 2nd, with 19 members and guests in attendance. President Doug Besemer, KØVPL, introduced the restaurant's owner, Michael Monti, who gave some historical remarks about the building and restaurant. After his comments, we enjoyed a delicious lunch. Following the dessert, Doug led introductions around the room and then talked to us about his activities in radio communications



Re-elected for another two-year term at the October meeting of Chapter 16 were Bob McCuskey, W7BV, Secretary/Treasurer (L); Jean Jolkovski, W4CIH, Vice President (C); and, Doug Besemer, KØVPL, President (R)

for the Maricopa County Sheriff's Posse, including their involvement in a major Search and Rescue Operation in mid-June east of Phoenix, for lost hikers in the Superstition Mountains. Following a period of questions and answers, Doug then conducted the annual business meeting during which the current officers were reelected by acclamation: President, Doug Besemer, KØVPL; Vice President, Jean Jolkovski, W4CIH; and Secretary/Treasurer, Bob McCuskey, W7BV. The meeting was adjourned shortly after 2:00 PM.

On Saturday, December 11th, 27 members and guests attended the Winter meeting at the Horny Toad Restaurant in Cave Creek. President Doug Besemer, KØVPL, led introductions around the room after which a delicious buffet lunch was enjoyed by all. Following the dessert, Vice President Jean Jolkovski, W4CIH, introduced Paul Jorgenson, KE7HR, an avid caver and President of the Central Arizona Grotto, who talked to us about "Using Radios Underground." His very interesting presentation was a compilation of recent radio experiments done using amateur HF bands to communicate through the earth. Discussion of a special trip to Carlsbad Caverns National Park to talk from the lower levels of the cave to the surface and to other parts of the cave was one of the main topics. Using 5 watts SSB on 75 meters a distance, through the rock to the surface. 780 feet was attained. Regular, off the shelf, QRP ham radio equipment was used to also talk along the cave passage for more than a quarter of a mile. Following a period of questions and answers, Doug conducted a business meeting. The meeting was adjourned shortly after 2:00 PM.

Bob McCuskey, W7BV, Secretary/Treasurer

Chapter 19, Missouri (MO)

Saturday August 14, 2010, Chapter 19 held its annual

picnic. For the month of August, we were blessed with great weather. We had 27 attendees and all had fun and plenty to eat and drink.

Special thanks once again to Charles Nagel, K0CW, for reserving the shelter at Kirkwood Park and also picking up the food at KFC. Thanks once again to Ken Scott, W9VHL for bringing the refreshments and ice chests.

Chapter 19 will have a table at the St. Louis and Suburban Radio Club Hamfest on January 29, 2011. We display our banner with hopes of attracting new members. The table also serves as a gathering place for fellow members.

Chapter members Vern Hayes, W0CYF; and Howard Beringer, KB0EQ, both received the "Good Operator Award" from the ARRL. Congratulations to the both of you.

Chapter 19 holds a monthly Meeting/Luncheon at noon on the second Saturday of each month. We meet at Duffy's Pub and Grill located in Kirkwood, Missouri. QCWA members traveling to St. Louis are welcome to join us.

John Germanos, WB9PNU, Secretary/Treasurer

Chapter 29, Finger Lakes

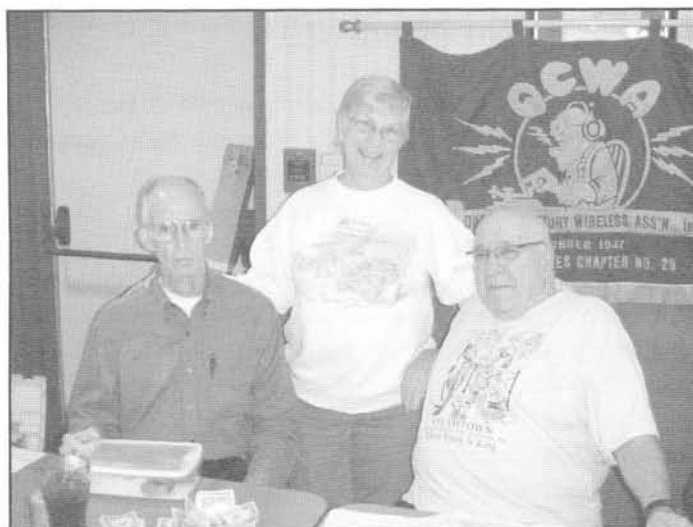
Chapter 29 meets the fourth Friday of every month at Denny's Restaurant on S. Bay Road at 11:30am.

At the August meeting K2QJB brought in several items for show-and-tell. The first was a massive early design adjustable power resistor rated at 12.1 amps and 2.9 ohms, manufactured by Central Scientific. The second item was a practice key and sounder manufactured by the Bunnell Company. Prior to World War 2, Bunnell was one of the largest suppliers of telegraphic keys. As opposed to later systems that reproduced the "dots" and "dashes" of Morse Code as either short or long tones at the receiving site, sounders had an armature which generated two clicks for each dot and dash – one click when electricity began flowing through the coil at the beginning of a dot or dash, and a second click when electricity stopped flowing through the coil. The code that was used by them (the International, or Telegrapher's Code) was different than the code that we use today.

At our September meeting we were glad to have KA2DDN back with us after his recent surgery and speedy recovery. K2UPI reported that the benefit for his daughter-in-law, Peggy, went very well.

A card was signed for W2AK who injured his back while exercising. Joe Dreher, W2TKG, had been discharged from Syracuse Home earlier that morning after a lengthy rehab following a broken leg. Joe is now at home where he continues his recovery.

WB2YGN, John, opened the October meeting by ring-



Left to right Jack, K2JDD; Sharon, KA2TNK; and John, WB2YGN, looking forward to lunch.

ing a handbell provided courtesy of our waitress. John related how a 20's-era Hartley oscillator transmitter had been demonstrated at the LARC Meeting the previous night and following the meeting the subject changed to antennas, and then to J-poles.

Even though the temperature was in the mid-30's, 25 brave souls showed up at Denny's Restaurant the day after Thanksgiving for our November meeting. WB2YGN opened the meeting at 11:30am by calling our long-suffering waitress Michelle, up to the front of the room where she was presented with a holiday gift from the Chapter. He welcomed Bud and Betty Keller, and Lou and Marge Agresti to the meeting.

W2OPF brought in some QSL cards from the 20's and 30's when Syracuse was in 8-land. The cards were passed around and brought back many memories. W2OPF told how he had recovered these cards from the estate of Gerry Liccione, W2TPL.

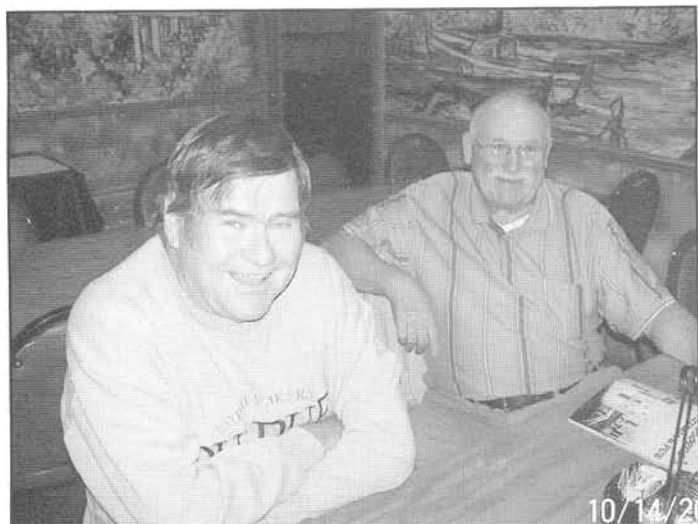
WB2PEM passed around a license issued to Harry Seaman, Jr. back in the 20's that he had picked up in a flea market in PA. It was printed on the blue paper used in those days and was issued by the Department of Commerce, not the FCC.

WB2YGN announced the formation of a new 6M social net. It will be informal with no agenda – just a good chance to chat with others. The net meets at 7:00pm every Tuesday, beginning on December 14th and will be hosted on the 53.050 repeater, minus offset, with a 71.9 PL tone.

John Germanos, WB9PNU, Secretary/Treasurer

Chapter 36, Northwest Indiana (IN)

We eased into the holiday season with about 20 people



Marv Boetcher, WV90 (left), and Mal Lunsford, W9MAL. (Photo by KF9EX)



Bruce Balsley, W9OTN, shows us his 1948 Wouff Hong ashtray.

attending each of our meetings this quarter. Original contests have become more difficult to come up with, and each meeting had an open "show and tell" instead. We welcome everyone to join or visit us. See our website at www.chapter36.org for the latest details on meeting dates and times, plus lots of other info on our Chapter history, people, and events.

October was our strongest "show and tell". Joe Grossbauer, WA9MSD, showed us an off-the-shelf GPS receiver system that captures time signals from the satellites and maintains an accuracy within nanoseconds. An output is available on the unit so it can also be used as an accurate time source. Ron Broviak, WA9RON, and his son Mike, N9MIK, had just completed a bar project in their basement the day of our meeting. Their workmanship was beautiful. Carl Hallberg, W9CJH, also brought in two time-related entries: a small digital clock that he built to replace a broken automobile clock, and a home built desktop clock (with alarm). These were both good examples of Carl's excellent engineering skills. Stan Vandiver, W4SV, gave out CDs to everyone with the very latest ver-

sion of the Ubuntu Linux operating system and gave a short introduction on the benefits of using Linux versus Windows. Stan is very passionate about Linux and would be glad to help anyone who would like to get started using this powerful OS.

In November, Carl, W9CJH, brought a booklet of electrical and PCB schematic diagrams that he created for an engineering project using OrCAD design software. Stan, W4SV, brought a 10-minute ID timer, a project he built while an electronics student at Purdue Calumet.

Bruce Balsley, W9OTN, was our only contributor to the "show and tell" in December, but it sure was an interesting item that he presented (see photo). It was a table centerpiece ashtray from the ARRL National Convention held in Milwaukee September 4-6, 1948. The ashtray is made with a replica of the infamous Wouff Hong first discovered by The Old Man (Hiram Percy Maxim). Bruce gave us a nice overview of the history of this interesting bit of ham radio's past. And by strange coincidence, there are TWO of these fine antiques within our Chapter membership! Besides Bruce, Danny Scheetz, W9DWS, also has one just like it! The Wouff Hong, and its companion device, the Rettsnitch, were first mentioned in QST in 1917, and the first pictures were shown in QST in 1919.

Thanks to all who brought "show and tell" items and shared them with us!

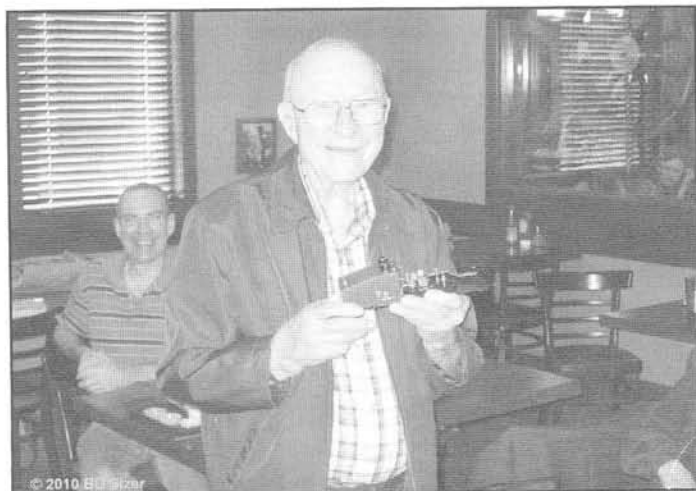
Chapter 36 hopes that everyone had a great Christmas Holiday season and wishes everyone a very happy and prosperous New Year!

Stan Vandiver, W4SV, President

Chapter 38, San Antonio (TX)

Fourth Quarter Report 2010.

The club started the fourth quarter holding its monthly



Gene Jank W5EJT with his proud gift. In the background is Tom Bruns KC5L.

meeting at Sea Island Restaurant. For the month of October the program featured a very interesting program entitled "Rocketry" presented by Steve Cerwin, WA5FRF. The visual aids helped make this program very interesting and informative. The audience enjoyed the videos showing Steve, WA5FRF, shooting his rockets toward the moon; well, at least in that direction.

For November, we had Derwin King, W5LUU, who presented "Brief History of World Wide VHF/UHF Communications". The presentation was of much interest since Derwin is a very experienced radio amateur. Some may be aware that Derwin, W5LUU, has for around 20 years contributed to the VHF section of QST. His contribution for QST was on "Moon Bounce Predictions". In December the club held its annual Christmas party at our monthly meeting place, Sea Island Restaurant. We each brought a gift which could be of value or no value at all. We were handed a ticket with a number and once our number was called we picked up a gift and unwrapped it in front of everybody. We were allowed to exchange that gift for somebody else's gift that was of more interest. Needless to say, some of the gifts changed hands again and again. These exchanges contributed to the fun had by all.

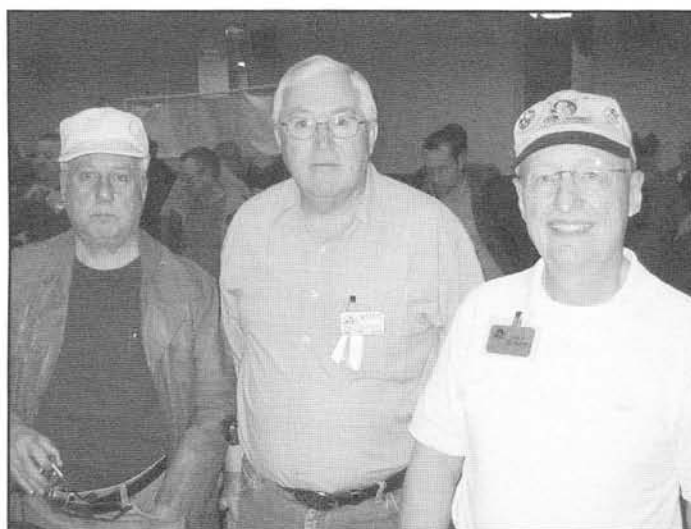
Chapter 38 still conducts the weekly net on Sunday evening at 8:30 p.m. local time. The frequency is 147.380 with net control Danny McCarty, WA5KRP, alternating with Clay Laster, W5ZPV.

Chetto Cumjian, WB6BIE, Chapter Secretary

Chapter 41, Barney Moffatt (TX)

Dallas Chapter is saddened to report the passing of longtime member Wayne Wyatt, N5BV. In addition to being a retired U.S. Air Force veteran who made a name for himself in rifle and pistol marksmanship competition, he was a successful hunter of elusive DX stations as an RTTY operator. Wayne attributed his keen aim as a marksman to the fact that there wasn't a whole lot to do in his spare time at his duty station in Thule, Greenland, so he'd spend off-duty time on the firing range. He was also an unquestioned master of Calculus who dearly loved the subject and who was known for always having his favorite reference textbook nearby.

The Dallas Chapter is one of those listed in the "Chapters On The Air" section of the Journal. Unique to the Chapter, however, is its Participant Candidate Qualification Certification Program (PCQCP) wherein candidates aspiring to participate in the Chapter's Sunday morning net undergo a rigorous evaluation/training process (RETP). Courses in the ten-week program include: Enervating Enunciation, Dynamic Didactic Diction, Dialect



All smiles again. (L-R) Steve Brodie, K5ZYZ, CH41 Vice President; Val Erwin, W5PUT, Chapter 41 Director, National Director, and Chairman, National Interchapter Relations Coordinator; and Ted Martin, KF5LO, CH 72 (Ft. Worth) representative, emerge from a policy discussion forum.

Restoration/Modification, Hyper-free Breathing, Anxiety Amelioration, Spontaneous Intellectual Witticism Creation, Self-fulfilling Microphone Management, Appropriate Seasonal Sartorial Selection, Theory and Practice of Electronic Etiquette, and other courses in developmental stage. Recent proud certified graduates now participating in the Chapter 41 Net include Oklahoma Chapter 63 member Ron Clinton, WD5HUT, and Chapter 123 member LeRoy "Baldy" Baldwin, W0OFY, of Cedar Rapids, Iowa, both of whom, armed with their certificates, report a bold new euphoric outlook on life.

Larry Essary, K5XG, Chapter President, is the area's authority on tower and antenna construction, erection, grounding, and maintenance required by radio amateurs and his services stay in demand year round. He shows up at a job with a truck equipped with virtually every conceivable tool, device, and part imaginable since job sites are often remote. In Texas his two primary weather concerns that determine whether he will do tower work are the speed of ever present winds and the presence of lightning even though it may appear to be a long way off.

In a recent meeting of the Chapter's Executive Committee (the committee) held at the luxurious 5-Star Bellagio Hotel in Las Vegas ("The Ultimate Experience"), former Chapter President (reduced in rank to Vice-President) Steve Brodie, K5ZYZ, acknowledged in retrospect that under his administration an unannounced and unsuccessful attempt to annex the Fort Worth chapter (Chapter 72) as a means of additional fund-raising through assessments on its membership in an effort to fund the Committee's steeply rising travel expenses was not well thought-out. To mollify strained inter-Chapter relations as a goodwill token, the Committee approved a token off-season round trip via Greyhound to Las Vegas and a three-

day stay at an off-the-Strip economy motel to Chapter 72 representative Ted Martin, KF5LO, who was elated with the fabled largess of the Dallas Chapter and said that his Chapter members would be impressed.

Bob Olney, NSNT, Recording Secretary

Chapter 45, Citrus (FL)

We are sorry to report the passing of one of our outstanding Chapter members, Croft Taylor, VE3CT. He is well known as a former QCWA President, talented amateur and a good friend to all who knew him. Our condolences to his wife, Elizabeth, and their family.

We are happy to report that we have a new meeting place which will easily accommodate the approximate 25 people who attend our monthly meetings. Our first (December) meeting at this new location was well attended by about 22 members and guests and featured Jean

Maxwell who is known to put on a wonderful Christmas presentation each year. Elections are over for this year and the incumbents (President, AL LaPeter; and Treasurer, Mort Cohen) were re-elected to serve another two-year term.

As of this writing, the holidays are almost over and we look forward to the New Year with anticipation of good things to come. We hope to see many of you at the local February HamCation, Dayton and the Annual Convention in Warwick, R.I. later that year.

The Chapter owns and operates an open repeater, W4PLA, operating on 147.195 MHz (no tone). Scheduled net is at 1930 hours local time on Tuesday of each week. All hams in the area are invited to check in and anyone passing through at net time is particularly welcome.

AL LaPeter, W2AS, President

Chapter 48, Treasure Coast (FL)

On December 22, 2010, at our weekly get together at



Guest speaker, Jean Maxwell, wife of Walt, W2DU, presenting a Christmas program.



L-R Woody, K4EBK; President Joyce; Dick, K9BTU.



Members assembling in December at our new spacious meeting place.



Awards Presentation Cake.

Bob Evans Restaurant in Vero Beach, FL, we were pleased to present two of our members with Anniversary Awards. The first, for 55 years, to Dick Kesler, K9BTU, a retired educator from Indiana. The second, for 50 years, to Woody Anderson, K4EBK, a retired telephone man from Connecticut. QCWA members and other HAMS and spouses were in attendance, totaling 24 in all. Our President Joyce, K4EER presented the awards. She also cut the cake and served it to all.

Joyce has been limping around at our weekly get together to emphasize her "LAME DUCK" status as President after 12 years. We hope she will reconsider, (or at least stop limping)

If you are in the area, join us any Thursday at 9:30am at Bob Evans in front of the Vero Mall, Route 60 in Vero Beach.

Woody Anderson, K4EBK

Chapter 53, Suncoast (FL)

Following the summer months when we meet monthly for informal lunches, we kicked off the 2010-2011 season with our October 6th luncheon meeting with 20 members, spouses, friends and visitors present. As the round of introductions was made, each of us offered brief comments on our summer activities. Hans Napfel, WB2ZZB, our Program Chairman, then offered a PowerPoint presentation showing highlights of various travels recently undertaken by several Chapter members.

A total of 32 members, etc. came out for our November 3rd luncheon meeting. Several new Chapter members were signed up, and QCWA Director Larry McCalvy, WA9JMO, who was visiting our area, was given special recognition. Courtesy of Hans Napfel, WB2ZZB, a very interesting bio-graphical film on physicist, electrical engineer and inventor Nikola Tesla was



Chapter 53 members getting ready for some serious eating!

shown.

The 31 members, etc. at our December 1st luncheon meeting, were a bit more subdued due to the unexpected death of our member Croft Taylor, VE3CT; while he and Elizabeth were en route to their Nokomis winter home. Elizabeth was in attendance and expressed her gratitude to the Chapter for its donation of \$500 to the QCWA Memorial Scholarship Fund in honor of Croft.

Continuing through May 4th, 2011, Suncoast Chapter 53 will be meeting at Denny's, 3701 Bee Ridge Road, Sarasota, FL, at 11:15 AM the first Wednesday of each month. All QCWA members, living in or visiting the Florida Suncoast area, are always welcome. Please contact our President, Conrad Owens, WA3RRS via kdowens39@hotmail.com if you are in the area and would like to join with us.

Jack Sroat, W4JS, Secretary

Chapter 58, Colorado (CO)

Happy New Year from QCWA Colorado Chapter 58. We hope everyone has a good 2011.

Chapter 58 is active with quarterly dinners, in



Chapter 53 President Conrad Owens, WA3RRS, welcomes QCWA Director, Larry McCalvy, WA9JMO.



Bill Greene, W0GVT and his wife Lee.

A merry time was had by all at our 2010 Christmas gathering. Decorations and gifts were provided by Chapter Secretary-Treasurer Manny Gonzalez, W2BFI; his XYL Sharon, KB5AJG, and other chapter members. 2011 and 2012 Officers were installed. They include Directors Larry, WB8LBZ; and Bob, K5VRF; Secretary-Treasurer Manny, W2BFI; and Vice President Bob, K5IE. Our Chapter has a monthly luncheon meeting on the third Saturday of each month at 3:00 PM local time at the Golden Corral located near the intersection of the North-South Freeway (US 54 South) and Transmountain Road (Woodrow Bean), next to the Wal-Mart store in Northeast El Paso. We also enjoy a weekly net on Saturdays at 08:30 local mountain time on 3933 KHz. Net control operators vary using our Chapter station call W5RO. Out-of-town check-ins are especially welcome! Adios amigos, Happy 2011 and God bless!

Rick Rumbaugh, W5PIE

Chapter 65, Niagara (NY)

The Chapter 65 Board of Directors resolved another leadership void after receiving the resignation of WA2ARA who had once again been serving as Chapter President. With the VP spot vacant, the three-man Board met in urgent session and elected Bill Klepser, WB2AIV, as President; and Steve Licht, WF2S, as Vice-President for the duration of the currently running three-year terms. WB2AIV agreed to stay on as Treasurer with increased help from Secretary, W2AET.

Peter Liaros, K2RSK, agreed to join the Chapter Board of Directors and was duly elected.

The new Board immediately drew up and executed plans for a December Christmas Party at which about 22 persons attended. Small holidays gifts were distributed and K2RSK donated complimentary hot dog coupons for Ted's Hot Dog.

Also approved for action was a Chapter-sponsored field trip to the Antique Wireless Museum in late spring. WF2S is coordinating and may be contacted for further details if you wish to join the car pool or can serve as pilot for one of our caravan that will depart Buffalo with possible stops along the way.

A Chapter newsletter is to be re-established and distributed by e-mail. If you'd like to insure receiving one, make sure your current e-mail address is current with W2AET. Those without Internet will receive the newsletter by s-mail.

At the November monthly meeting, members and guests heard W2AET detail, with pictures and stories, the history and current status of the legendary Shore Station, WCC, he recently visited at Chatham, MA. It re-opened its doors this year as a museum, thanks to area radio buffs.



Chapter 65 Christmas Party!

WA2WCC is on the air from the site.

Our Niagara Frontier Chapter attempts to present interesting programs of a radio nature at about a quarter of our monthly luncheon meetings. If you have anything to offer, please contact W2AET. Among the programs scheduled for Spring 2011 is, The History of The Niagara Frontier Chapter QCWA—Photos, Personalities, and Reminiscences. Our Chapter goes back to November 13, 1973 and has been in continuous operation ever since.

At our December Annual Meeting, WA2AIV was elected Trustee of the chapter station, W2SD. Early discussions were held on a possible "home" for the station equipped with donated vintage gear.

Local Chapter #65 dues are now due for the three-year term ending December 2013. Please send your check for \$15 payable to Chapter #65, QCWA, to Secretary, W2AET, at his Callbook QTH or at one of our monthly luncheon meetings (second Saturday of every month, 12 Noon, Brennan's Bowery Bar & Grill, Transit (Route 78) at Main (Route 5), just north of Thruway Exit 49.

Rob Rooney, W2AET, Secretary

Chapter 70, National Capital Region Ottawa, Ontario, Canada

With deepest regret Chapter 70 reports the loss on November 17th of one of our best known and best liked members, Croft Taylor, VE3CT, by heart attack in hospital

February, August and November on the 3rd or 4th Sunday at 1P.M.

We also have a breakfast the second Saturday of each month at 9 A.M. The location may be found on our web site: <http://qcwa-58.rmhc.org/>

Persons visiting the Denver area are welcome at all meetings and breakfasts. When in the area, please give us a call on 146.670 (no tone) repeater.

Jim Blecha, W9KRE, President

Chapter 60, East Tennessee (TN)

The East Tennessee Chapter, has been reactivated thanks to the help of Ken Simpson, W8EK. The attached photo of some of the members was taken at the December 2010 meeting of the East Tennessee DX Association. The mem-



Members of the east Tennessee Chapter. Please read report for full listing of members pictured.

bers in the photo are from left to right (as you look at the picture) Ralph Lockhart, WB4CTS; James Hamblin, W7FKI; Willard Siton, W4HZD; Larry Rockfield, W6UB; Hugh Morgan, W4VAB; Don Backys, K9UQN; Jack Creed, K4EPC; Dennis Sparks, WB4NBE; George Dominick, W4UWC; Tom Kirchoff, K9DLL. The Officers of Chapter 60 are Hugh Morgan, W4VAB, President; and Tom Kirchoff, K9DLL, Secretary.

Hugh Morgan, W4VAB

Chapter 62, Florida (FL)

At the present time Chapter 62 is having even month meetings only and everyone seems to be enjoying the new meeting place.

At the October meeting we had a discussion of the QCWA operating events and awards, and at the December meeting the previous officers were reelected for

another year with Ken, W8EK still being our President.

Ken set up a QCWA table at our local Ocala hamfest in December. Our meetings are held on the even months at the Uptown Grill which is located at 2436 East Silver Springs Blvd in Ocala, Florida at 1:15 PM. The meetings are held on the fourth Thursday of the month.

Our net is every Saturday at 9 AM on 3940 KHZ. Ben, N6SL is our net control.

Doug Hawkins, W3HH, Secretary

Chapter 64, El Paso (TX)

Greetings from Chapter 64 in El Paso, TX and southern NM! We welcome our newest Chapter Director Larry Springsteen, WB8LBZ. Larry is also an Assistant Section Manager of the West Texas Section of the ARRL West Gulf Division.



Chapter Officers K5HRI, K5VRF, KM5W (L to R seated); WB8LBZ, K5IE, W2BFI (L to R standing).



Chapter Christmas gathering.

at Jacksonville, Florida en route to his winter home. During the summer months, Croft was a regular attendee at our weekly breakfasts, and at our quarterly dinners. For many years he provided regular news updates on developments taking place at QCWA board meetings.

During the quarter we also lost Clay Hiltz, VE3TL. Clay joined the Royal Canadian Air Force – initially as radio operator. Later he took radar training and served as a radar instructor at RCAF Station Clinton, Ontario for most of the rest of his RCAF career. Clay passed away on November 8, 2010 at the age of 85 years.

Pat Byers, VE3EUR, QCWA no. 35310, joined Chapter 70 during the quarter.

A fourth quarterly dinner meeting was held on November 16th. The meeting dealt with several important issues, including the annual financial report, the draft budget for 2011, and the nominations and election of Officers for the coming year. Three members, the President, Secretary and one Director had expressed a desire to step down due to other heavy workload commitments. Unfortunately, our Nominations Committee headed by Past President Dave Parks, VE3AV, had to announce that he had not been able to come up with any volunteers willing to stand for nomination. In addition, no nominations were received from the floor. The search continues. Chapter 70 continues to be in good financial health, and we were able to announce a number of donations to worthwhile causes including one to the QCWA Scholarship Fund.

At the November meeting our after dinner speaker was Gregory Danylchenko, VE3YTZ, who spoke about his experiences with Software Defined Radio.

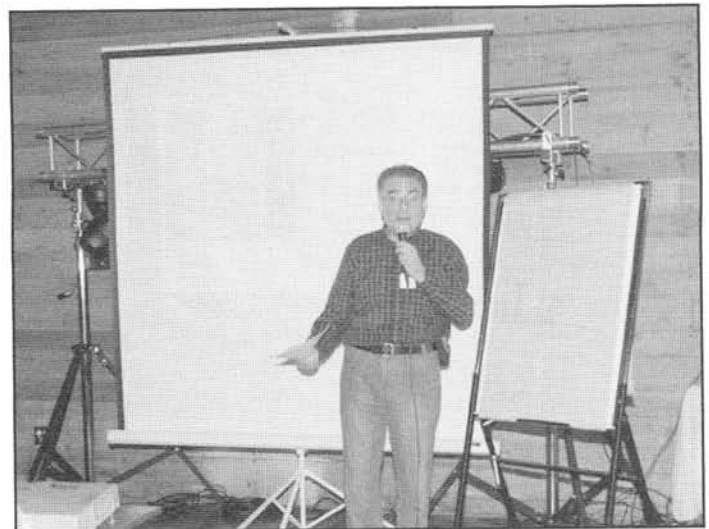
Also at the November dinner meeting, several long time members were presented with Certificates naming them as Life members of Chapter 70 in appreciation of their many contributions to amateur radio.

Ken Pulfer, VE3PU, Secretary

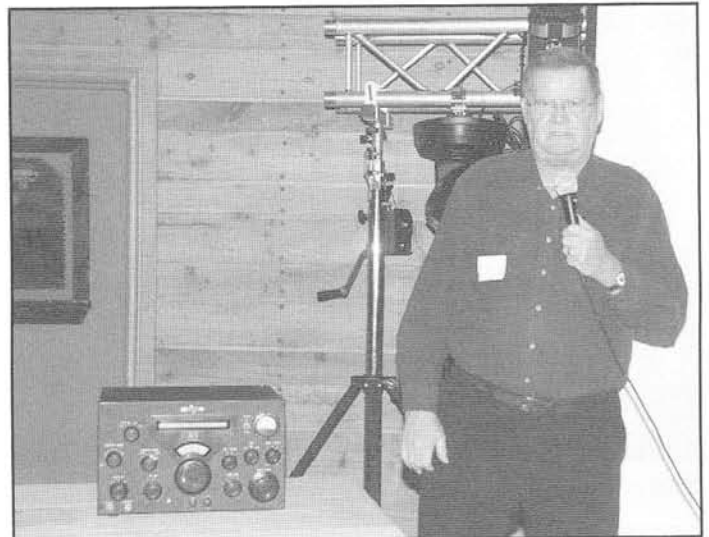
Chapter 73, Fred Hammond (Ontario)

Our Fall Meeting was held on 30 October, 2010, at The Mohawk Inn, in Campbellville, Ontario. We had two presentations. The first one was a short discussion and display by Larry Asp, VE3RF, of a rare Collins Radio 51J5, one of very few Collins products manufactured in Canada. This unit is on display at The Hammond Museum of Radio in Guelph, Ontario, and is shown in the accompanying photograph.

Our main speaker was Keith Ballinger, VA3QF who gave us very interesting presentation of the subject of Lightning Protection as Pertaining to Amateur Radio



Our main speaker was Keith Ballinger, VA3QF who gave us very interesting presentation of the subject of Lightning Protection as Pertaining to Amateur Radio Equipment.



Larry Asp, VE3RF, with a rare Collins Radio 51J5.

Equipment.

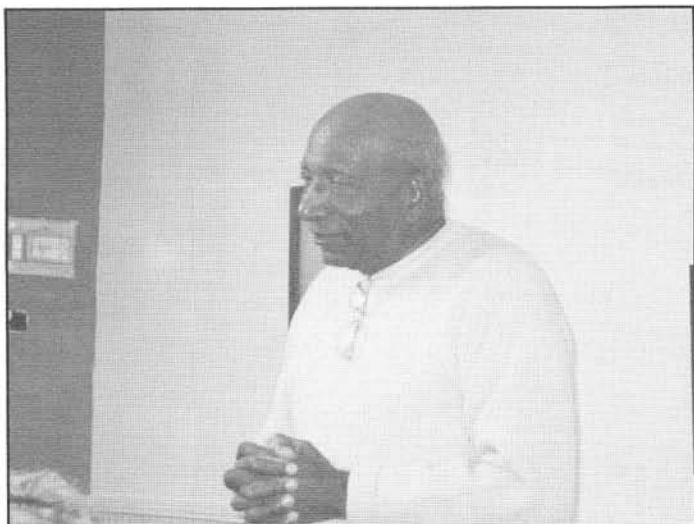
There were nominations and elections of some new members of our Chapter Executive position which will be effective in 2011. These will be presented on our Chapter web site, www.qcwa.ca.

Our next meeting will be 30 April, 2011. Our speaker will be Bob Morton, VE3BFM, who will give us a presentation on VHF Antennas.

Keith Bentley, VE3DHL, Secretary/Treasurer

Chapter 76, Blue Ridge (NC)

T'was the night before Christmas well, almost. Actually, it's a week or so before Christmas and we're in the throes of Winter and officially it's not winter yet!



K2SST, 2011 President.



W4DK & N5NNS

Three to six inches of snow in the area, record day and night freezing temperatures and now a forecast for freezing rain! Al Gore ... where the hell are you? Enough of my lament ... looks like the folks (and crops) in Florida are a lot worse off than we are in Western North Carolina. Anyhow, on to the Chapter 76 activities for the last quarter of 2010.

In October, we tried a new form of entertainment (for us) "I saw it in QST/CQ and couldn't resist." Actually, it was a form of "show and tell" about various amateur radio products that we've bought, whether good or bad, as seen in the pages of our most popular ham magazines. Personally, I have several items that I could certainly have done without and others that I wish I'd had years ago. I think we all agreed that this was one of our more enjoyable and informative meetings.

November was our required "annual meeting" and we went about the business of electing new Officers for 2011. After the hanging and dented chads were discount-



W4DK & W1ODC

ed, the following winners emerged. Some of you may note that we have a few recycled Past Presidents in the line-up. It's tough getting people to volunteer!

President, Ronnie Parham, K2SST
Vice President, Harold Johnson, W4ZCB
Secretary, Jeff Kelly, K4JAB
Treasurer, Bill McLane, N9BE
Director (1 Yr), Al Abercrombie, W2GJS
Director (2 Yr), Jim Harrison, W4TFT

We were very pleased to present Tom DeKay, W1ODC, with his QCWA Century Award Certificate. Congratulations, Tom!

The meeting was finalized with a presentation by George Dunagin, N5NNS, on the "Hentenna" and Moxon antennas. George is a proponent of "keep it simple and cheap" and these antennas are built with wire and PVC. Can't get much cheaper than that! Most of us were unfamiliar with the "hentenna" so the information was well received. There could well be a few "hentennas" in the making during the months ahead. George was rewarded with one of our coveted, dishwasher and microwave safe, Chapter coffee mugs.

Finally, December and our annual Christmas party (luncheon) in a venue different from our regular monthly meetings. This meeting is the final opportunity for the current President to have his say and then turn over the gavel and president's briefcase (which contains all of the secret codes) to the newly-elected President. For me, as the former, it was a good year and I wish Ronnie (the latter) and the new Officers all the best for 2011.

Visit our Chapter web page <http://www.qcwa76.org/> for the "latest" info on Chapter activities. W9IXX is the

webmeister, so if the info is dated, send him a little note (he'll appreciate it). We still meet at the Golden Corral in Hendersonville, 11:30 AM on the first Wednesday of each month (except December). Stop by, bring a friend and break bread with us.

Duke, W4DK

Chapter 85, Ark-La-Tex (LA)

We held the last meeting of 2010 on October 30th at the Bossier Main Library in Bossier City, Louisiana. Current Officers were re-elected for another term. Officers for 2011 are: President, Roger Ley (WA9PZL), Vice-President, Mike McCrary (WB5LJQ), and Secretary/Treasurer, John Stewart (AA5KV).

Chapter 85 shared a table with AMSAT at the Minden Amateur Radio Association (MARA) Hamfest which was held in Minden, Louisiana on December 18th. Chapter President Roger Ley tended to AMSAT, while John Stewart took care of QCWA activities. Many QCWA members stopped by the table to say hello and sign the roster. Judging by the number of people who attended and the nice comments received from attendees, the hamfest was a huge success. Congratulations to MARA!!

John Stewart, AA5KV

Chapter 91, Vic Clark (VA)

Our second tour of the year was in October when we went to the Udvar-Hazy Air and Space Museum at Dulles Airport. We were fortunate to have as our guide, Ben Baddley W4FQT, who is a docent at the Museum and regularly leads guided tours. He especially pointed out exhibits of electronic and radio interest. Occasionally he gives a tour which is dedicated exclusively to the "Enola Gay". This Museum is a work in progress and every time you go there you will see something new.

Our November program was very well attended and in addition to the good fellowship we had a very interesting program on the Flex Radio, delivered by one of our members Tom Azlin, N4ZPT. The station consists of a small box, which handles the RF part, plus your personal computer. The computer gives almost perfect control of the signal in terms of frequency, bandwidth, mode of operation along with a visual presentation of all of the activity in the band. This may very well be the radio of the future but anything this amazing has to have a down side. The current models lose sensitivity when in strong RF fields. The highpoint of our year is always the annual Christmas Lunch in early December. We had 46 people attend



At Christmas Lunch, far left: Past President Tim Donovan, WA4CLK; speaker Phil Wherry, AI4JF, and at right: President Byron Black, W4SSY.



At Udvar-Hazy Museum, Ben Baddley, W4FQT, points out antennas on the Space Shuttle.

which included about an equal number of members and friends and family. Our speaker for the day was the versatile Phil Wherry AI4JF who can speak on many subjects but for that day was asked to tell us about astronomy and how some of the same skills and interests of amateur radio are shared. Phil is the past president of the Northern Virginia Astronomy Club, which at about 1000 members, is the largest amateur astronomy club in the world.

As is usual, this was a day for awards, prizes and Santa gifts. A special award of recognition was presented to our Past President Tim Donovan, WA4CLK, honoring him for 3 excellent years of service. Our rule is that at this event, everyone goes away with a Santa gift of some sort and at least three members went away with something special. The grand prize, an Amazon Kindle, was won by Dave Johnson, WA4DJ. The second prize, a Small Wonders transceiver kit, was won by Lew Bradley, W4SWP, who loves putting kits together.

Chapter 91 will start 2011 with essentially the same Officers as 2010: Byron Black W4SSY, President; Lee

Garlock, KD4RE, Secretary; and Phil Paullin, K4PXP; treasurer. Our long-time Vice President John Reiser, WQ4L wants to retire from the job but has agreed to stay on in a part time role.

Byron Black, W4SSY, President

Chapter 105, Music City (TN)

QCWA Chapter #105 was re-organized on 15 November 2010 following efforts by George Stone, WD4CYV, #34598, and a visit to the area the previous month from QCWA National Director Ken Simpson, W8EK, and his wife Sue, N8AJU. The five charter organizers voted to adopt a Constitution and Bylaws based largely upon those documents used by the original Chapter organizers in 1977 & 1994. These meetings were held at Shoney's Restaurant in Murfreesboro, Tennessee.

Vollie Miller, NA4C, #30482, agreed to serve as President; and Stephan Anderman, K2SMA, #25937, took on the job of Chapter Secretary. Mr. Anderman immediately contacted QCWA General Manager Chuck Walbridge, K1IGD, who provided photocopies of the original Charter documents and the necessary paperwork that would be required for re-affiliation with National. K2SMA re-typed the original Constitution and Bylaws into electronic format, made copies available to the prospective organizers, and proposed a series of changes to modernize the Charter documents. He also prepared a new affiliation petition, chapter membership applications, and affiliation change request forms.

At the November re-organization meeting, Edwin Hohenthanner, W7LGD, #23558, proposed that the "Music City Chapter" name be adopted, as proposed in some of the earliest Chapter documents (rather than the proposed "Middle Tennessee Chapter" name). This was unanimously accepted by the five Chapter re-organizers: NA4C, WD4VYV, K2SMA, W7LGD (all listed above), and Larry Duke, K4GWG, #34539. Dues for the chapter were set at \$1.00 per year, with the intention that they could be raised at such time as the activities of the Chapter necessitated additional operating funds.

The Music City Chapter will meet at different locations around the greater Nashville Metro on the third Monday of February, May, August, and November. The February meeting was scheduled for the Shoney's Restaurant in Goodlettsville, Tennessee, where many meetings of the early incarnations of Chapter #105 were held. Permanent Officers for calendar 2011 are to be elected at that meeting.

Since the November re-organization meeting, the

Chapter has received numerous membership inquiries and is expected to grow quickly by the deadline for the Summer 2011 issue of the QCWA Journal Chapter Reports. It is anticipated that a full listing of meeting dates, locations, and programs will be available at that time. Inquiries regarding the Chapter may be sent by e-mail to k2sma@arrl.net, by landline at 931.364.3625, or by traditional "snail mail" to K2SMA at his FCC database address.

Stephan M. Anderman, K2SMA, Secretary

Chapter 107, Lakeland (FL)

The Chapter held its monthly meeting on December 18th with 15 members and guests present.

Since October, Jack Falkenhof, K4BYF; and Rip Van Winkle, AA4HT, have passed out QCWA applications and literature at meetings of the Lakeland Amateur Radio Club and the Lake Wales Repeater Association as well as



Sharon, xyl-Glenn, WB4KW and Rick, ND4Z.



Bert, KG2G; Joe, AD4IH; Rip, AA4HT; and Ed, K9RWP.



Bob, W9UGN and Frank, W4TIC.

placing announcements on the web sites of those clubs. So far three new members and several potential members have been attracted.

The Chapter meets on the 3rd Saturday of each month at Clara's Butterfly Restaurant in Lakeland. All interested Hams are invited to attend. "Winter visitors" and members of other Chapters are especially welcome to join us. Contact either Rip at aa4ht@tampabay.rr.com or Jack at k4byf@tampabay.rr.com for more information.

Jack Falkenhof, K4BYF, Secretary

Chapter 112, Yankee (RI)

Our Fall meeting was held on October 23, 2010 at the Yangtze River Restaurant in Littleton, MA. There were 14 members and guests present.

We had the pleasure of having one of our own members Phil Temples, K9HI, present the program Courage Center Handiham System. Phil has served as a Handiham volunteer instructor at the Handiham radio camps. He shared an inspiring video that describes Handihams from the perspective of the campers themselves. He shared his own experiences in the interacting with some of the finest human beings he has had the privilege of knowing. Our next meeting will be our Christmas Party at the Chateau Restaurant in Norton, MA on December 4, 2010.

QCWA Chapter 112 held their Christmas Party at the Chateau Restaurant in Norton, MA on December 4, 2010. There were 24 members and guest present. Chuck, K1IGD, proposed that the Yankee Chapter 112 contribute \$50 to the Memorial Scholarship Fund in memory of Chapter Silent Keys and \$50 in memory of Croft Taylor, VE3CT.

The contributions were seconded and approved.

Skip, WB6VVA, ran the Yankee Swap gift exchange

for the guys and gals.

Our next meeting will be our winter meeting in February 2011. Time, date and location to be determined.

Janice, K4IJK, Secretary

Chapter 120, Quarter Century Wireless Women (QCWW)

Just before sitting down to write this article, I ventured out to the mail box – a slippery sliding adventure, by foot, down and back a 465 foot driveway, and retrieved QCWA's letter requesting our annual Chapter update. The letter and accompanying documentation lists 25 folks who had called Chapter 120 their home chapter. A quick glance at the list showed at least 60 percent of the data was out of date – mainly their National membership had expired 4 or more years ago.

QCWA members may join as many chapters as they care to, but may only call one chapter their home chapter. It is the responsibility of the home chapter secretary to request the QCWA certificates attesting to the member's longevity as a QCWA member beginning with the 50-year recognition and every five years after. Each chapter may request a certificate of appreciation, once a year, for one of their outstanding members; and each member whose age and the number of years he or she has been a QCWA member combine to 100 is eligible for a QCWA Centennial Certificate.

Hopefully, by the time you are reading this article, I will have all the records up-to-date and have submitted our Chapter's Annual Report to Headquarters before the 1st of February.

Our annual meeting and election of Officers will take place during the 2011 QCWA National Convention, 9-11 September in Warwick, RI. A time, date and room location will be in the summer Journal. If you can make this event, we would love to have you join us. The conventions are always a grand fun filled event.

I would like to welcome Carol Noack, KK5L; Eva Donaldson, WBØCON; and Susan (Susie) E.G. Scott, N8CGM, to our Chapter. Susie has selected Chapter 120 as her Home Chapter.

I hope 2011 is a most happy and healthy time for you and your family.

Larry McCalvy, WA9JMO, Secretary/Treasurer

Chapter 138, Marconi (NJ)

Marconi Chapter 138 held its quarterly meeting at the

(continued on page 30)



Quarter Century Wireless Association Convention
In
Warwick, Rhode Island
At the
Crowne Plaza at the Crossings
September 9-11, 2011



Headquarters Hotel: Crown Plaza at the Crossings, 801 Greenwich Avenue, Warwick, Rhode Island 02886. A block of rooms are being held for this convention at the rate \$109.00 plus tax (currently 13%). For reservations, please call the hotel number 1-800-2CROWNE or 1-800-227-6963 and mention QCWA 2011 Convention for this special rate. They will start taking reservations on October 15, 2010.

Rail and Air Travel: At least six Northeast Corridor trains daily, both northbound and southbound, run through Providence. Amtrak depot is 15 minutes from the Crown Plaza. From the main corridor stops, Boston, New York, Philadelphia and Washington connections are available to long-distance Amtrak and Canadian ViaRail routes. Information is available at 1-800-USA RAIL, www.amtrak.org and www.viarail.ca, 1-888-VIA RAIL. The capital city of Providence and Airport (T.F. Green International Airport) are minutes away from the hotel. T.F. Green Airport provides service through the following airlines: Air Canada, Continental, Delta/Delta Connection/Northwest Airlines, Southwest, United, and US Airways. The hotel shuttle to both the Warwick train station (soon to open) and the airport is available to/from the hotel free of charge.

Activities: Informational and entertaining presentations and seminars on Friday and Saturday. Details are forthcoming, see the next QCWA Journal for updated information.

Tours: An exciting variety of tours and activities are available here in Rhode Island. With much to choose from to highlight the Warwick/Providence area, your host chapters have arranged an impressive selection for you including:

- Thursday: 1:00 – 5:00 Tour of Federal Hill, a harbor tour, Brown University and a stop at the State House.
- Friday: 10:00 – 4:00 Tour of Newport with a guided tour of one of the mansions, lunch (on own) and shopping in Newport.
- Saturday: 11:00 – 4:30 Trip to the New England Wireless & Steam Museum and QCWA picnic, box lunch included.
- Sunday: 1:00 – 4:00 Trip to Herreshoff America's Cup Museum in Bristol, includes admission.
- Monday: Special Post-Convention Trip to ARRL Headquarters and opportunity to operate W1AW (bring a photocopy of your license).

Attractions: Rhode Island offers many interesting places to visit if our tours do not interest you such as: Museums, Zoo, parks, shopping, and great beaches to name a few. The "Creative Capital" of Providence, R.I., has indeed been reborn in the last decade, as residents have reclaimed derelict buildings and two of the city's three rivers, created waterside walkways, and welcomed brand-name shopping. When you add in a burgeoning dining scene, rich New England history, the new Chace Center at the Museum of Art – Rhode Island School of Design (it displays twice as much art as before), a monthly gallery night, and a renowned performing arts scene, this underrated city seems tailor-made for a quick and fulfilling getaway.

Souvenirs: Be sure to get your QCWA commemorative pin with your Convention registration. Many other collectable items will be available at the convention.

Prizes: An assortment of drawings and door prizes are planned. We are grateful to our many sponsors and contributors who, with their support, are helping to make the 2011 Convention a memorable one.

Registration: Convention Registration is available now! Use the Registration form in this issue, or download it from the QCWA website and print out a blank copy to complete by hand or fill it in on your computer to print a legible copy to mail with your payment. Your form and payment must be received through the mail to confirm your registration (address on registration form).



2011 QCWA National Convention

September 9 – 11 • Warwick, Rhode Island
Hosted by the New England Chapters



Convention Headquarters: Crown Plaza at the Crossings, 801 Greenwich Ave., Warwick, RI 02886

Single or Double rooms are available for \$109.00 + taxes (tax currently 13%). For reservations, contact the Hotel directly at their toll free number: 1-800-2crowne or (1-800-227-6963), Hotel reservations will not be taken until October 15, 2010. Identify yourself as QCWA 2011 Convention attendee. Regular parking is free. RV spaces are also available at \$25.00 plus tax per night. These spaces do not have water or electric hookups. The hotel has a complimentary airport shuttle, high speed internet, fitness center, as well as many other amenities to make your visit enjoyable.

Early Bird Registration

Name: _____ Call: _____

Spouse: _____ Call: _____

Guest/Friend: _____ Call: _____

Youth (under 18): _____ Call: _____

Address: _____

City: _____ State/Province: _____ Country: _____ Zip: _____

Telephone (____) _____ E-mail: _____

Cell Phone: (____) _____ Staying at Headquarters Hotel? _____ Yes _____ No _____ RV

Local Contact: _____

	Quantity	Total
Pre-registration (before 1 Apr 11)(includes Convention Pin)	_____	@ \$25.00 _____
Registration (after 1 Apr 11)	_____	@ \$35.00 _____
Spouse Registration	_____	@ \$ 7.50 _____
Guest/Friend Registration	_____	@ \$20.00 _____
Youth Registration (under 18)	_____	@ \$ 5.00 _____
Friday "Meet & Greet", Heavy Hors D'oeuvres and special guest speaker (TBA)	_____	@ \$29.50 _____
Saturday Banquet & Dance to the hits from our younger days	_____	@ \$47.50 _____
Choose one meal per person: New York Steak _____; Chicken Saltimbocca _____; Scrod _____		
Speaker, Mr. Riley Hollingsworth, Special Counsel, FCC, Retired.		
Sunday Morning Farewell Buffet Breakfast	_____	@ \$24.50 _____
Thursday Tour	_____	@ \$45.00 _____
Friday Tour	_____	@ \$60.00 _____
Saturday Tour	_____	@ \$65.00 _____
Sunday Tour	_____	@ \$45.00 _____
Monday Post Convention Tour	_____	@ \$55.00 _____
2011 Convention Pin	_____	@ \$ 5.00 _____
		Total: _____

All net proceeds will be donated to the QCWA Scholarship Fund.

Return this completed registration form with a check or money order made payable to "QCWA 2011 Convention" and send to:
Diane Swenson, Treasurer, QCWA 2011 Convention, P.O. Box 403, Bolton, MA 01740



George West, WA2MNV, shows off his 50-year Award.

Marconi Hotel Conference Room in the Infoage Learning Center on November 16, 2010. Vice President Bernie Riccardi, WB2EJT, called the meeting to order with 9 members and one guest present.

After the pledge to the flag and introduction of all present, a moment of remembrance was observed for our Silent Keys and those with health problems. The Secretary's report was given by Bob, W2OD, and the Treasurer's report by Matt, W2AOJ.

A motion was made and seconded to change our By-laws to eliminate the dues waiver for Diamond Jubilee members and it passed unanimously.

A motion was made and seconded to double the dues for membership in the Chapter and it was unanimously accepted. Another motion was subsequently made and seconded to make the dues for Chapter membership a flat \$10 per year with no discount for prepaying multiple years. This also passed unanimously. These motions require changes to our Constitution and By-laws so will be publicized in our next newsletter and voted upon at our January quarterly meeting.

Service Anniversary Awards for 60 years were available for Frank Segalla, W2FFH; Sterling Rodgers, N2GT; and Herb Holzberg, W2HH but none were present at the meeting. A 55-year Award was presented to Ed Roswell, K2MGM. A 50-year Award was to be presented to George West, WA2MNV but he was in a rehab center and could not be present. The Award was given to his family who presented it to him at the rehab center (see picture).

A review was made of our plans and progress for displays Chapter 138 is building in the Conference Room. One commemorates the first telegraph line and consists of a telegraph line running across the room with a key and sounder at each end. The other commemorates the first Transatlantic radio signal and consists of a spark transmitter located on a huge map of England and a coherer receiver located on a huge map of Newfoundland. These maps cover one wall of the conference room. Gerry, W2GD, Dave, WA2DJN, and Arnold, AB2N, all volunteered to help in the construction of these displays.

Bob Buus, W2OD, Secretary

Chapter 141, Amarillo (TX)

Amarillo's QCWA Chapter may be a bit small, but it tends to be a pretty active group of folks. We represent Amarillo, Texas each year in the "Route 66 On The Air" event. You can bank on us to have a display, often radioactive, at the annual picnic held by the Panhandle Amateur Radio Club. Odds are good there will be a QCWA display of some sort at PARC's Field Day.

Our second annual Christmas Party was very much of a success. This year we needed to find another restaurant for the party and Betty Sproul said, "Let's do it at my house." She said she would provide the meats if others would bring a vegetable dish or desert. The date of December 9th was set. We decided to exchange gifts as we did last year, using a technique that required no money or trip to the store, the guys bringing a gift related to ham radio that could likely be found in their junk boxes and the ladies bringing a book from one of their bookcases.

Those attending this year were: John & Judy Ashurst, Dan & Phyllis McCabe, Scott & Rose McDowell, Brad Miskimen, Jim & Carol Musgrove, Maury & Betty Sproul, and Jerry & Hanna Van Note.

We met at 5:30 p.m., Dinner was served at 6 p.m. afterwards we moved to the living room and chatted for a couple of hours. We broke up around 9 p.m.; all had a marvelous time.

We had food galore. Betty had prepared a ham and roast beef that included gravy for the beef. The other members tended to bring more than one dish, we had appetizers, rolls, scalloped potatoes, sweet potatoes, green bean casserole, pinto beans, pea salad, cranberry sauce, pickled beets, homemade cream puffs, brownies, chocolate pudding, vanilla pudding, strawberry ambrosia creamed squares, chocolate pecan pie, and 2 cakes plus hot cider and cranberry juice.

As we took our places in the living room after dinner wine was served. Gifts were exchanged. In addition to the



Front row: Maury Sproul and Dan McCabe. Back row: Jerry Van Note and Hanna Van Note.

gifts each person brought, Maury gave each of the men a Cabela's pockettool, Jerry gave each person a leather key fob on which he punched Chapter 141, Carol gave each person a tin containing homemade goodies, and Betty gave each of the ladies apple cider spices.

For 2011 the decision has been made that our Chapter Reports will spotlight one of our members each quarter. Since we held our Christmas Party at Maury and Betty Sproul's place, it seemed natural to start with Maury, W5UGQ.

• Maurice Sproul, W5UGQ

Chapter 141 is fortunate to have Maurice Sproul as a member. Maury, one of those who is normally a reasonably quiet person, certainly captures your attention when he enters a room. His areas of interest exceed those of the typical ham which become obvious as our story unfolds.

Maury's given name is Maurice, possibly French, and it is pronounced Morris. His family uses the pronunciation of their surname Sproul that comes out right if you think of "owl" when you say it, as if it were spelled S-P-R-O-W-L, in fact one variation of the name "Sprowl" is spelled that way. It is a Scots-Irish name.

Maurice Sproul was born on a farm with no electricity or running water near Soldier, Kansas in 1935. Soldier is a small community in north eastern Kansas, its current population is 128. Maury moved into the town of Soldier in 1947, age 12. He finished high school in 1953 at Clay Center, Kansas; there were 88 students in his graduating class. He earned a science award in High School.

In those years Maury hunted and fished with his family i.e. his parents and two younger brothers. One might be surprised at how nice of a campsite one could erect with a bobtailed truck and a canvas tarp. Sleeping on the truck bed was pretty nice when the wheat harvest was complete and it was a week until school started.

To earn extra money Maury worked after school, delivering telegrams while riding on a motor scooter. In 2010

we find Maury still riding two wheelers, but somewhat larger and faster than the scooter he rode as a boy.

As a young man, probably in his junior high years, Maury's ambitions were to work in the munitions industry. He attended Kansas State University from 1953-1957, graduating in 1957 with a B.S. in Chemical Engineering. He went to work for Mason & Hanger-Silas Mason Company in August 1957. That was the beginning of 41 years with that firm, doing contract work in seven states. Throughout his career Maury's work was varied and interesting.

Maury's first amateur radio license came in the spring of 1958, KOSVT, his QTH was Iowa; he was working at the Iowa Ordnance Plant, in the "munitions industry." Perhaps I should comment that the first radio that captured Maurice Sproul's attention was probably his parent's old farm radio. It was battery powered, the batteries were not rechargeable, and were considered as being expensive, so it was only turned on for news reports, farm forecasts, and such.

During the Iowa years Maury got his private pilot's license. His instructor told him that he had made the highest score on the written test of anyone who had taken the test in that location. His habit of studying in a serious way probably helped him attain that achievement. Some years later Maury attended hot air balloon classes.

After getting well into amateur radio, Maury elected to get a commercial ticket and in the late sixties he acquired his commercial radiotelephone license. Now he could work on commercial radios.

It was in 1956 that he married Elizabeth Cole. They had identical twin sons in 1959. Those twin sons later married twin sisters.

From Iowa the Sprouls moved to Amarillo, Texas, then to New Jersey, then Lexington, Kentucky. Maury studied and earned his RPE (EE) while in Kentucky. He holds Professional Engineering Licenses in Kentucky, Arkansas, and Alabama. They moved from Kentucky to Arkansas, then Alabama, then back to Texas again.

From his acquiring a ham license in 1958 he has always had a radio - then computer - workshop in his home. His wife Betty told me their sons learned how things worked and how to fix many things from their Dad. When their sons were in college, they lived at home. The boys brought their college friends home to learn "hands on" what the inside of a computer was and how it worked. She continued "Maurice has always shared his knowledge with those who were interested."

Betty advised that Maurice built Heathkits and other things back in the days of vacuum tubes. She recalled that cabinets needed fans for cooling in those days. Maurice had a computer at home; he built it, before most realized that one could even have a computer at home.

He rented Global Positioning System very early in that instrument's history. Now he has several GPSs.

One of his current projects is "Time Nuts." He is among those designing and building 10 MHz frequency standards to achieve accuracies better than 1 part in 10 to the 12th. A bit more serious than the 100 KC frequency standards we had in our National NC-300 receivers. Today we have ovenized oscillators. The SC cut crystals have been around for some time. Cesium and rubidium standards have found their way to a few hamshacks.

W5UGQ is a seasoned ham, he has transitioned from vacuum tubes to transistors, through several generations of integrated circuits that include surface mount technology. He may be an "old timer," but he keeps up with the state of the art. He continues to study as he did in his younger days. Don't look for a spark gap transmitter in his shack, you won't find it.

Jim Musgrove, K5BZH, Secretary

Chapter 149, Nutmeg (CT)

The fall 2010 meeting and luncheon of the Nutmeg Chapter was held at Tommy's Restaurant in Middletown, Connecticut, on Saturday, November 13. Nearly 40 members and guests attended the quarterly gathering to enjoy the company of each other and to catch up on news and activities of our Chapter.

Nutmeg Chapter President Mike Schindler, K1AMS, was our featured speaker. Mike is a retired engineer from the Naval Undersea Warfare Center, and he drew upon his professional background and experience to explain, in an interesting manner, the basics of sonar systems used by submarines.

Steve Ewald, WV1X, Secretary

Chapter 151, Alberta Wild Rose

The executive and members of Wild Rose Chapter 151 wish everyone a happy, prosperous, and exciting New Year. The next chapter meeting and luncheon will be April, 2011.

Mitch Goodjohn, VE6SM, Secretary

Chapter 160, Utah (UT)

It was with saddening hearts to learn in late December 2010 the passing of the wife of Don Smith, K7VN, of Orem, Utah. Marilyn, KD7KTM was 66 and a wonderful wife, mother and grand mother. Our condolence goes out



Keith Anderson, W7LQU.

to Don at this time.

Keith B. Anderson (Red), W7LQU (Member no 22479) of Rigby, ID died Tuesday, November 23, 2010. He was 84, was born July 7, 1926, in Murray, Utah. After he graduated from high school, he went to work for the Union Pacific Railroad Company as a depot agent. He retired in 1986.

He was devoted to Amateur Radio for over 50 years, with the call sign of W7LQU. He provided civil defense assistance during the Teton Dam Flood in 1976. He was a member of the ARRL, Morse Telegraph Club Inc., and the QCWA.

Bill Moyes, N7IE, wrote of Red, "When I was about 10 years old I ran across an article on a man named Samuel F. B. Morse, along with a listing of the code and a diagram on how to make a telegraph. I talked my dad into funding a dry cell battery and some doorbell wire. A bit later I had a working telegraph.

My dad, seeing an interest, asked if I would like to see a real telegraph. Boy would I! He made arrangements for me to go down to the Union Pacific Depot on a Saturday. It was there that I met Keith, the station agent. Keith and his family lived in the depot. After showing me the telegraph, he took me into another room filled floor to ceiling with black boxes. On his desk was a little white plastic sign that read, "DANGER!! 50,000 Ohms! HyGain Antennas" with the call sign W7LQU atop the "Danger". That was my introduction to ham radio. I always stayed in touch with Keith. What a way to be introduced to a hobby, a military specialty, and a career in Public Safety telecommunications!!" I bet all of us older hams had a friend or as they call an "Elmer" now that helped us into one of the hobbies.

W7KOP, Leonard Wood "Woody" 99 became a SK on December 25, 2010. He was the oldest living Scout and former member of our QCWA Chapter.

Our first 2011 activity will be held on April 5th in Mesquite, Nevada. Bring a snack to share for the picnic, and pay for your own dinner. Make your reservation early and bring a friend or two. Visitors are welcome. Breakfast with Chapter 160 members are held on the 1st and 3rd Thursdays at the Denny's restaurant in St George UT.

Dave Raab, W7DKR, President

Chapter 162, Southeast Wisconsin (WI)

Our fourth annual Spencer Clope, W9LDH \$500 Scholarship went unclaimed. We received zero applica-



2011 Directors and Officers.



Cheryl Miller, WS9P

tions for our 2010 award. The Scholarship is open to anyone attending an accredited college or university taking at least 12 credits during the fall semester of the year the award is given. The recipient must be a licensed Amateur who lives in a county that one of our members resides in and has applied for the Scholarship by the 31st of May of the year given. Hopefully 2011 will find a deserving Ham that can take advantage of these funds.

After a hiatus of 13 years, the Southeastern Wisconsin Ham banquet was held Thursday, 7 October 2010 at the Asian Buffet in Racine with about 25 folks attending. The last such event we held, if my memory serves me right, had about 110 folks attending and everyone did seem to enjoy themselves. We are going to try it again at the end of March 2011. Two awards our Chapter will be handing out at that event include the Olie Fox, K9AKG Recognition of Excellence Award and the Robert Jensen, WØWLN Life Time Achievement Award.

The K9AKG Award is given to a currently licensed Ham living in Southeastern Wisconsin or Northeastern Illinois that had also been licensed 25 years prior to receiving this recognition. The recognition is for outstanding contributions to the community and Amateur Radio during the past year. Our 2010 selectee is Dave Hegyera,

WB9WNF. Congratulations Dave. It is well deserved.

The WØWLN honor is given to a Ham residing in Southeastern Wisconsin or Northeastern Illinois that has contributed significantly to their community and Amateur Radio over a period of five to fifteen years. There is no minimum number of years holding a Ham license required for this recognition. Our 2010 selectee is Alex Voss, N9RGX for his untiring service to his community and Amateur Radio, in general, over the past 16 years. Congratulations Alex, also a well-deserved recognition.

We would like to welcome back Jim Taylor, K9JT, to the Chapter after an absence of several years. We would also like to welcome our newest member, Cheryl Miller, WS9P, who joined at our Christmas party. The party held again at the Meadows Restaurant in Franksville, WI, was enjoyed by twenty members and spouses, as we dined and exchanged gifts in celebration of the season. At the party I was asked where all the pictures are that I have taken over the years! I said I had them and committed to placing the digital ones on a DVD and scanning the older photo to the same DVD, adding music and comments for a future Chapter 162 program with copies available to anyone wishing to have one of their very own.

Our Annual Meeting and Director elections took place on Sunday, 17 October 2010 at Bentley's American Grille Restaurant in the Racine Marriott Hotel. We enjoyed an excellent buffet and elected our 2011 Chapter leadership. Our 2006 to 2010 Secretary/Treasurer Mark Swartwout, NX1K, did not seek reelection. His "shoes" will be difficult to fill. Mark has held this position for the past four years and has done a magnificent and very efficient job of managing our records and finances. Mark from myself and the entire membership; please accept our most appreciative thanks for all you have done for the Chapter. Our Chapter's 23rd Annual Meeting was a most successful outing. We enjoyed great dining companions, wonderful food and selected an outstanding group of Directors to lead us into and through 2011. Our directors are Ed Konicek, W9NVK; Chuck Knotek, W9GKM; Gene Haney, WB9ZKY; and Dick Kehl, WA9HOH; our Officers are Vice President Daryl Lynaugh, WB9VHK; President Lloyd Gorsiski, WB9RGO; and Secretary/Treasurer Willie Watkins, KA9QMM. The membership is looking for guidance as we involve ourselves in community and radio projects throughout the year.

Our Chapter net is on the Lakeshore two-meter Repeater, 147.270 MHz – PL 127.3 every Thursday at 9 PM. All are welcome to join us in a "round robin" format. Stop on by to find out the latest and greatest in the growth of area tomatoes as Spring once again visits Southeast Wisconsin and Northeast Illinois.

Larry McCalvy, WA9JMO, QCWA Director

Chapter 169, Sacramento Valley (CA)

President, Robin Alexander, NX6Z, opens each meeting with excitement and big welcomes to each member and guest. Programs for the quarter included: Introduction by Tim Ryan, K6RHM; Brian Lloyd, WB6RQN, of Montessori School gave us an update on his science program that includes amateur radio the kids are learning. He also shared his experience in setting up an emergency communications network on the Island Nation of Dominica. The November program was presented by Jim Jolly, W6RWI, about the World Radio sport Team Championship that was held near Moscow, 2010 and showed a video clip about the WRTC held in Brazil in 2006. Finally, December was our Christmas meeting and special it was by a raffle of three new HT's and various other goodies. The raffle was to promote our future 2 meter net.

We always have "show and tell". Dwane Evans, KG6KWP, demonstrated a portable 10 meter antenna and an air-operated device to shoot an antenna over a high tree.

We meet the second Wednesday of the month at Denny's located at 7900 College Town Dr. in Sacramento. Gathering starts around 11AM for the no-host lunch and the meeting starts at 12 noon. We try to finish by 1:30 PM. You are always welcome. For further information contact our Secretary, William Keller, WA6PAY, at (916) 456-0957

William Keller, WA6PAY, Secretary

Chapter 196

Oh what a year we had in 2010. Chapter 196 and its members made history.

Our Chapter members went cruising, operated W2MM and placed way up on the scores of our QSO parties. I want to give a special thanks to Stella J. Gurka, WB2FAU, for taking charge when in charge of QCWA club call W2MM during a QSO party. We are also the home of Tom Batchler, NT4TS, who won high honors, second place phone, in a QSO party.

The local economy was very tough on us last year. Once again, we had to relocate our luncheons due to business closings. Hopefully in 2011 we will be able to reorganize and enjoy more participation.

I am saddened to report that our Chapter Secretary Don Cole, WA2JNM, has resigned. Don has served our Chapter diligently for several years. Thanks Don. We wish you continued success in your ventures.

Tad Burik, K3QC, President

Chapter 213, Fresno (CA)

Greetings from Fresno Chapter 213. Our monthly meetings are on the 4th Tuesday and Noon at Carrow's Restaurant, 4480 N. Blackstone in Fresno. All QCWA members are welcome to attend if they are in the Fresno California area on our meeting day. Our meetings are very informal with an average attendance of 20 members and guests. W6GV placed first in the San Joaquin Valley in 2010 Field Day. W6GV was third in the US for 1A Battery.

Charles McConnell, W6DPD, Secretary/ Treasurer

Chapter 217, The Villages (FL)

President: Harold Lloyd, W4OE ; Vice President: Ed Crowell, W5TWR ; Secretary/Treasurer: John Fleming, W3GQJ.

Quarterly Report: October, November, December, 2010. Paid Members: 23. Membership up by three (3) from last report.

Monthly Meeting: 2nd Thursday of each Month @ 1030AM EDT, Perkins Restaurant, RT 466, Oxford, FL.

We dodged the hurricane bullet entirely this year, but now we are in a deep freeze and hope it does not affect too many of the Florida plants.

Hal Lloyd, W4OE, is President and John Fleming, W3GQJ is Secretary/Treasurer. Elections were held at the October meeting.

We are waiting the results of the fall QSO party to see how Chapter 217 rated compared to other chapters.

Hope everyone has a happy and Merry Christmas. We also hope it will warm up.

John Fleming, W3GQJ, Secretary/Treasurer



*Left to right - KB9MI, W5TWR, W4OE, W4EBA, W2WW, W1GDE.
Photo credit: W3GQJ.*



Publicity, Public Relations and the Lost Member Column

by Larry McCalvy, WA9JMO



Last November I had the great pleasure of meeting and presenting two QCWA longevity licensed certificates to Andrew "Ben" Letson, W4BT, in his home. Ben, 96, has held a Ham ticket continuously the past 78 years and moved to St Petersburg, FL from the greater Montgomery, AL area a few years ago. I had hoped to make the presentation at the St Petersburg Chapter picnic, but I could not confirm that the picnic would occur. So I called Ben, met him at his apartment where his 50th Anniversary of licensing and Century Club Certificates, were given and received in a two person presentation. The included picture of this event was obtained via the self timer option on my camera. Normally these certificates are applied for by the Chapter Secretary and presented at a future Chapter meeting. Slip ups do happen and chapters miss the eligibility dates for some of their members; and members at large, those without a chapter, usually need to ask for their own certificates. Please look in our Journal, on the back inside cover, for member supplies listings. The certificate criterion is nicely explained.

Nathan McCray, K9CPO, is a teacher in an 811-student elementary school in Kenosha, WI who is trying to form and begin a radio club in his school. Nat is affiliated with the ARRL education department and was looking for a local radio club to sponsor and support his school's endeavor. An activity near and dear to me, I offered to share a 32-slide program developed by Ken Muggli, KØHL, to elicit the interest of school board and PTA in possible career paths for their young charges. According to Ken; "Schools prepare children for "careers". The school could care less about ham radio. Schools do care a great deal about providing children different career paths. My approach is to try and sell the school on the idea of installing an electronics class as an elective. Part and parcel of the electronics class is a laboratory (ham radio station). Sell a career path to electronics up front; bring ham radio in the back door via the laboratory."

I talked about this program in an earlier column; but the novelty of working with a younger group might get some parental involvement. What a wonderful opportunity for parents and elementary school children, both working to obtain their Ham license. Would this not make for a great family working together project?

I still think working with middle and high school students might reap the greatest benefits for Amateur Radio and careers into the world of electronics. But only time and the involvement we put into this endeavor will tell if this is a realistic approach.

If anyone is interested and would like a copy of the slide program, please let me know and I'll email it to you. Ken has graciously offered to share it with anyone interested. He only wants to know how and where you use it.

With the late arrival date of the Winter issue of the Journal, and the looming deadline date for the next quarter at hand, feedback on my questions from last quarter's column were sparse. However, the overall appearance and content of the Journal was thought to be great, but another method may be needed to track material coming in for publication, as some chapter's submissions have not been published. I do not know if these are just isolated incidents. And it has been suggested that we offer the journal on line and perhaps digitize all the back Journals and make them available on a DVD. And the last comments concerned our QSO parties. A very nice concept but something is needed to generate more member participation. The writer offered no suggestions.

As always, I welcome your suggestions, comments and criticism. I may be reached by email at wa9jmo@wi.net; and/or by telephone at 262-639-7327.

Larry McCalvy, WA9JMO

Random Recollections of an Old Ham

The Appendixes

(continued from the Winter 2010 Issue - page 39)

A Journalistic History of The Life and Times in Amateur Radio of George Hart, W1NJM
by George Hart, W1NJM

"When KB passed away it seemed quite natural that he should take over, but from the very start it became quite evident that he disliked Handy and wasn't too crazy about me, either."

THE GENERAL MANAGERS

The first general manager of ARRL was Arthur Hebert, 1ES/W1ES, but that was back in the very early stages before WWI, long before my time. "Heebie," as we called him, was still at the headquarters as treasurer when I joined the staff in 1938, so I met him and in the short time between then and his death I grew to like him very much. The first paid secretary was Kenneth B. Warner, 1EH/W1EH. KB "came aboard" in 1919 and rapidly gained stature until by the mid-twenties he was the "managing secretary" of ARRL and retained that title until WWII, after which, although he remained secretary and editor of QST, his principal function and title were that of general manager. KB retained this position until his death in 1948 and was succeeded by A. L. Budlong, W1JFN, later W1BUD.

He was KB's understudy for quite a few years and must have been doing a satisfactory job or he wouldn't have lasted. When KB passed away it seemed quite natural that he should take over, but from the very start it became quite evident that he disliked Handy and wasn't too crazy about me, either. In 1948 my status in the CD was fairly low on the totem pole, with Joe Moskey over me and Al Hayes and Al Hill at least my equal in the department's pecking order, although I was senior to all three of them in age, in amateur radio experience and in the department. First Al Hill left, then Al (we called him Doc) Hayes and my status (and work load) improved. When Joe Moskey got himself transferred to the Circulation Department (presumably for more money) I became the no. 2 man in the Communications Department. I outlasted them all, even, eventually, Ed

Handy when he retired with honor in 1967. But that's getting ahead of the story.

Budlong, apparently inheriting some of the prestige that had been K. B. Warner's, succeeded in downgrading Handy and gradually making himself unpopular within the headquarters through his demanding and peremptory demeanor. Nevertheless, he was a skillful manipulator and succeeded in maintaining his position until excessive drinking finally brought him down. Following a field trip partially in the company of my friend Director Harry Engwicht (that's how I learned all about it) during which he disgraced himself and the League, the Board of Directors forced him to retire.

Next time, we pickup the story with John Huntoon, W1LVQ, later, W1RW, as the General Manager

My Radio

by **Bill Tynan, W3XO**

Life

(continued)

from Winter 2010

THIS ORIGINALLY APPEARED IN "STATIC", THE MONTHLY PUBLICATION OF THE KERRVILLE, TEXAS, HILL COUNTRY AMATEUR RADIO ASSOCIATION. IT IS ONE OF A SERIES OF ACCOUNTS RELATING HOW ITS MEMBERS BECAME INTERESTED IN HAM RADIO AND THEIR VARIOUS EXPERIENCES AND ACCOMPLISHMENTS IN THE HOBBY.

Continued from Winter 2010 Issue

In my 36 years at APL, I was active in the radio club. This led to my receiving a call one evening in early 1969 inviting me to a meeting in downtown DC concerning "Oscar East". I immediately asked who Oscar East was, saying that I didn't know anyone by that name. But I was told that it was an organization not a person, an organization being formed to carry on the work begun by Project OSCAR on the West Coast. Of course I knew Project OSCAR had built and launched the first Amateur Radio satellites and was eager to attend the meeting to learn what was planned.

The meeting was at the apartment of a young Comsat PhD named Perry Klein, K3JTE, now W3PK, and included representatives of various amateur radio clubs affiliated with various Washington area organizations active in space. The gathering led to the formation of the Radio Amateur Satellite Corporation, or AMSAT. I became Life Member Number 10 and was somewhat miffed in getting a two digit number. AMSAT life memberships now number in the thousands.

I was tagged to provide publicity for the new organization and to act as liaison with the Australians who had built a satellite which had been languishing on the West Coast for several years. AMSAT made arrangements to receive this spacecraft, refurbish it and obtain a launch. Australis-OSCAR-5 was sent aloft January 23, 1970 AMSAT's first satellite and the first Amateur Radio satellite launched on a non-military rocket. It carried 10 meter

and 2 meter beacons and included a command system which demonstrated to the powers-that-be that amateurs could control their satellites.

AMSAT soon began work on another satellite, one which would offer two-way communication between hams on the ground using a transponder with a 2 meter input and a 10 meter output, what was termed "Mode A". AMSAT-OSCAR-6 (AO-6) was launched October 15, 1972 and immediately displayed a problem. It had a mind of its own regarding whether it was ON or OFF. Keeping it in the desired condition, required what became known as "intensive use of ground command".

While AO-6 was being built, I was asked to become AMSAT's Vice President for Operations. In this post, I was responsible for coordinating the work of various command stations which had been set up around the world. AO-6's antics kept me and the command stations busy for the life of the satellite.

As a member of the AMSAT Board of Directors during the 1970s, I met Bill Dunkerly, WA2INB, who was also serving on the Board. Bill, at that time, was Managing Editor of QST. In need of a conductor for that magazine's VHF column; he, knowing of my interest in the higher frequencies and that I was regularly meeting a magazine column deadline, asked me if I would like to take on the task. I jumped at the chance, particularly since I had been an avid reader of the column since the 1940s. My friend, Ed Tilton, W1HDQ, was one of my heroes. I felt honored to take over what Ed had begun and follow in the footsteps of other notable VHF column conductors such as Sam Harris, W1FZJ, and Bill Smith, KOCER.

My first column appeared in the April, 1975 issue of QST and the last one in November 1992, a span of nearly 18 years.

With encouragement from my PVRC friends, I studied both theory and copied code from W1AW in anticipation of taking the Extra exam. Hoping I was sufficiently prepared, I went down to the FCC office and managed to pass the written exam as well as the 20 word per minute sending and receiving test.

At that time, the Commission had a program in place (sort of a forerunner to the current Vanity Call Program). If one had an Extra and paid \$25 one could receive any one-by-two call available. Many took advantage of this opportunity. But I wanted a W and a call never before held by an amateur. That was a tall order. I had used the AMSAT call, W3ZM some, but only for AMSAT nets and schedules. But while doing so, I received a number of calls saying something like, "Harry, where have you been? I haven't heard you in a long time." W3ZM had been held by another of AMSAT's founders, Harry Helfrich, who had passed away. AMSAT had obtained W3ZM in his memory. I did not want to continually go through such exchanges with my own two letter call, so I held off applying for one.

In 1976, a series of meetings took place at FCC to help prepare the US position for the 1979 World Radio Conference. I was able to take vacation from my APL job to attend one or two of these sessions. During a break at one of the meetings, I approached a PVRC friend who worked at the Commission and asked if they couldn't make available the "X" calls which had previously been used for experimental stations. He and a cohort went out of the room and returned with several rule books and proceeded to go through them to determine what rules would have to be changed to assign "X" calls to amateurs.

A few weeks later, I had occasion to talk with Prose Walker, then head of the Amateur Division at FCC, on another subject. In the course of the conversation, I asked him about issuance of the "X" calls to amateurs. His reply was, "We're working on it." On the basis of this encouraging response, I applied for the call that had been held by Washington's old experimental FM station. A month or so later, W3KMY became a thing of the past and I've been known as W3XO ever since.

In succeeding years, I've been happy to hear many other "X" calls appear on the bands and take some pride in possibly helping making it happen.

My VHF operating continued, with Worked All States being achieved on 6 meters and 37 states logged on 2 meters before leaving Maryland for Texas in 1988.

I viewed my stewardship of The World Above 50 MHz not merely as a means of reporting what was happening, but as an opportunity to make things better in terms of increased enjoyment and occupancy of the higher frequency amateur bands. And, through

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the column, I was able to accomplish several objectives which remain in place to this day; and which, I believe, enhance VHF and above operation.

From reading overseas VHF columns I learned that the Europeans had a system of grid squares, called "QRA Locators", which had become very popular as collectibles, just as we collect states. I devoted the September, 1979 column to the system and suggested that we should have something similar over here. I even gave a talk on the subject at one of the Central States VHF Conferences and was practically laughed off the stage.

But, I kept up the pressure for acceptance of a grid system here in North America and worldwide. In the September, 1980 column, I featured a proposal by G4ANB which was later accepted by the Europeans at a meeting held at Maidenhead, near London, England. Thus, the new system became known as the Maidenhead grid system.

A few months later, I was asked by John Lindholm, W1XX, then the League's Communications Department Manager, to become a member of an ad hoc committee he was setting up to examine the ARRL VHF contest rules. I had long felt it unfair that VHFers in the Northeast, not only had more stations to work, but also had many more ARRL Sections nearby than did those in most of the rest of the Country. So I accepted John's invitation, and at the first meeting urged that the multipliers used in these contests be changed from ARRL Sections to the new Maidenhead grids. After considerable discussion regarding the pluses and minuses of such a major rules-change, the other members of ad hoc group agreed to the proposal. John lost little time in instituting the change and in launching the VUCC which provides recognition for those working certain numbers of grid squares on the various bands above 50 MHz. The Maidenhead grid system is now almost universally accepted by VHF operators worldwide and has greatly benefited operation on all of the bands above 50 MHz. VHF amateurs owe a debt of gratitude to those responsible for crafting the system and to John Lindholm and the other mem-

bers of the ad hoc committee for accepting it. I am proud to have played a small part.

Another aspect of VHF operation which bothered me was the lack of beacons in the US. Particularly on 6 meters, beacons operating in other countries had proven invaluable. But FCC rules permitted unattended operation only for repeaters. So, in the name of the JHU/APL Amateur Radio Club, I drafted a petition to FCC for a Special Temporary Authority (STA) for W3VD, our club station, to operate a beacon on 2 meters. The STA was granted, and with the help of my friend Jack Colson, W3TMZ, another APL Club member, we installed a 10 Watt beacon on the Lab grounds located between Baltimore and Washington. During its year of operation, the W3VD 2 meter beacon collected reception reports from the Carolinas to the Canadian Maritime Provinces proving the value of beacons for spotting enhanced VHF propagation.

As the one year authority was ending, I wrote a report to the Commission, also in the name of the APL Club, on the results of the operation. Along with this I submitted a Proposal for Rulemaking to allow unattended beacon operation in the United States and its possessions. Within the year, FCC acted on our proposal and instituted rules changes allowing unattended beacon operation. Beacons have proven a boon to VHF operators everywhere. Now there are some one hundred 6 meter beacons in operation across the Country and many 2 meter beacons as well. In recent years, beacons on 70 cm, 33 cm, 23 cm 13 cm and even 3 cm (10 GHz) have been put on by various groups and individual hams. In this area, the Roadrunners Microwave Group, of which I am a member, operates beacons on 432, 903, 1296, 2304, 3456 MHz, 5760 MHz and 10 GHz in the Austin area and others in San Antonio and elsewhere in south Texas.

As the conductor of the QST VHF column, I began receiving many complaints, particularly regarding the June VHF contest concerning big mountain-top stations monopolizing the low end of the 6 meter band for the entire contest period. The complaints cited the fact that some intrepid operators had journeyed to rare Caribbean islands for the contest. These represented new countries for many, but contact with them was inhibited by the loud signals from the mountain-top-kilowatts taking up much of the portion of the band where these DXpeditions and other DX stations usually operate. Even when no contest was taking place, many 6 meter operators frequently ragchewed on the calling frequency of 50.110 or very close to it. Thereupon, a group in south Florida proposed to me that a section of the band be established for contact with stations outside the U.S. Specifically, they suggested that 50.100 to 50.125 MHz be set aside as a "DX Window".

Believing this to be helpful to those seeking to work new countries, I began promoting it in the Column. Of course, I received

much hate mail. But I also received a lot of support. After several years of pounding away on the idea, it finally became generally accepted. Later, ARRL noted the DX Window in their contest rules and now the 6 meter domestic calling frequency is generally recognized as 50.125.

A similar situation began to develop on 2 meters. Prior to about 1980, Technician Class licensees were allowed to use only 145 to 147 MHz. Thus, there were two SSB calling frequencies on 2 meters, 144.110 which the Generals and above used and 145.025 employed by Technicians. The band from 144.0 to 144.1 was, and still is, reserved for CW operation only. The same is true of 50.0 to 50.1.

When FCC announced that they would be opening all of the 2 meter band to Technicians, there was an immediate cry of 144.110, here we come! Fearing that a large new group congregating around 144.110 would lead to severe crowding, I suggested in the column that 144.200 be the calling frequency for everyone. For this idea, I received wholehearted support from the SWOT (Sidewinders on Two) organization, without which I am sure my urging would never have been heeded.

Although calling frequencies continue to be abused by some who never seem to move off of them, the freeing up of the low end of the 2 meter band has proved very worthwhile. With Earth-Moon-Earth (EME) becoming more popular, along with the new digital modes, the first 150 kHz of the band has seen more and more use by these activities. With many QSOs taking place on 144.110 and nearby, as they now do on 144.200, it's difficult to say if these worthwhile pursuits could have been accommodated.

In the mid 1970s, I joined an organization which had begun with a small group of six meter enthusiasts in San Antonio called the Six Meter International Radio Klub, or SMIRK. SMIRK was created to promote six meter operation much like Ten/Ten does for ten meters. I received SMIRK Number 800. Membership now runs well over six-thousand in some fifty countries. I am currently serving as SMIRK President. Incidentally, another HCARC mem-

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ber, Dale Richardson, AA5XE is SMIRK's Secretary. SWOT is the equivalent promotional organization for two meters. I'm proud to hold Number 300 in that worthy group.

One of the dreams I had long pursued was that of hams on the ground being able to talk with other licensed amateurs on spacecraft and eventually the Moon and hopefully some day, Mars. To this end, I began to investigate the possibility of amateur operation from Skylab. I knew that Owen Garriott, W5LFL, was scheduled to go on that ambitious mission and had even heard that the head of the Skylab program had made positive comments regarding possible amateur operation from the orbiting laboratory.

So, with the help of Dick Fenner, W5AVI, who worked at the Johnson Space Center in Houston, I began to investigate further. It was soon determined, however, that the project was too far along to permit the hull penetrations necessary to accommodate antenna cabling. So, the idea had to be dropped.

But, I didn't give up on the dream of hams operating from space. When the Shuttle program came along, I resurrected the idea and drafted a proposal to allow Shuttle astronauts who held amateur licenses, to be able to operate. I ran this by my colleagues in AMSAT who liked the idea, then sent it on to ARRL in order to get their blessing. With only slight wording changes, the proposal was submitted to NASA jointly by AMSAT and ARRL.

We were all surprised and delighted when NASA accepted it and plans were immediately begun to provide equipment for Owen Garriott to use on Shuttle Mission, STS-9. The equipment, provided by Motorola, consisted of a specially modified 2 meter handi-talkie which had to undergo extensive testing before NASA would approve its inclusion in the Shuttle payload.

In recognition of my role in making W5LFL's operation from the Shuttle possible, my wife and I were invited to witness the launch from the VIP stands about three miles from the pad. I can tell you that seeing a vehicle of this size from so close up is like nothing you have ever experienced.

Vic Clark, W4KFC, then ARRL President, was to also be present and we had made arrangements to rendezvous on one of the local repeaters near the Cape. When I called Vic, I was shocked to hear one of the locals respond to tell me that W4KFC had died suddenly of a heart attack the day before. Vic's loss cast a pall over what was otherwise a wonderful event.

I stated earlier that Vic Clark would play an important role in my life. During the time I was working on getting NASA approval for amateur operation from the Shuttle, the then AMSAT President, Vern Riportella, WA2LQQ, (now a silent key) attended a meeting at the Johnson Space Center regarding amateur operation from the Shuttle, without even informing me that the meeting was to take place. This upset me so much that I drafted a letter resigning from all of my association with AMSAT. Vic hearing of my plan to send the letter, called me and convinced me to recant, which I finally did. If it hadn't been for Vic's very diplomatic and skillful persuasion, I would not have later run for the AMSAT Board and certainly never would have become its President.

On returning to the fold, I insisted that Rip make manned space an official department and name me as its head. Whereupon, I became AMSAT's Vice President for Manned Space. In this capacity, I was AMSAT's representative on the SAREX Committee which was chaired by Roy Neal, K6DUE (now a silent key). Roy had been an NBC newsman and had covered many of NASA's projects going back to Apollo and before. So, he was well known by NASA folks, particularly at Johnson Space Center. Since everything seems to have to have an acronym, the term, SAREX, was coined to stand for Shuttle Amateur Radio EXperiment. Roy, in his chairmanship of this committee, was key in getting amateur radio back on the Shuttle following the Challenger tragedy. I was happy to be able to do my part. In 1986 I decided to stand again for the AMSAT Board, having dropped off ten years before. Partially because of my work getting amateur operation going on the Shuttle and partly from name recognition due to writing "The World Above 50 MHz", I was elected and served as a Board member until 2003. From 1998 until stepping down from the Board in 2003, I served as Board Chairman.

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In the late 1980s AMSAT was embarked on an ambitious project to put up a geostationary satellite. It was called Phase 4. Phase 1 was considered the beacon satellites such as OSCARs 1 and 2 and Australis OSCAR-5. Phase 2 were the low altitude transponder spacecraft such as AO-6, 7 and 8. The Phase 3 birds, AO-10 and 13, were in high apogee elliptical orbits. The first of these, Phase 3A, was lost due to a launch vehicle failure in May, 1980. But, it became clear to all of us on the AMSAT-NA Board that a geostationary satellite was beyond our capability, both technically and financially. Principal in the financial area, was the fact that such a satellite could be used by only half of the world's amateurs. If it was placed to cover all of the US, it could not serve Europe and Asia. Thus, all of the funding would have to come from the Americas, mostly from here in the US. Sufficient funding did not seem attainable, so the AMSAT-NA Board, including me, reluctantly decided to shelve the Phase 4 effort.

The term "NA" had begun to be appended to AMSAT to distinguish our North American based organization from other AMSAT groups which had sprung up all over the world. There was AMSAT-UK in Great Britain, AMSAT-DL in Germany, JAMSAT in Japan and numerous others.

Just as we were deciding not to pursue Phase 4, Karl Meinzer, DJ4ZC, came to our 1991 Board meeting with a proposal for an international project to build and launch another Phase 3 satellite. This would be Phase 3D. Despite misgivings on the part of some Board members we accepted Karl's proposal, and work was begun.

One of the major efforts was fund raising and Doug Loughmiller, KO5I, who had become AMSAT President succeeding Vern Riportella, and I began efforts to raise the million or more dollars it was concluded the project would require. Doug had asked me to become his Executive Vice President, so I held that position as well as VP for Manned Space.

The following year, the Board asked me to assume the Presidency so that Doug could concentrate on fund raising. With some reluctance, I accepted. My reluctance centered mainly around the concern that manned space would take a back seat. But, I found that Frank Bauer, KA3HDO, who worked at Goddard Spaceflight Center in Greenbelt, Maryland was interested in the manned space position. Thus, one of my first acts as President, was to appoint Frank Vice President for Manned Space. In recognition of a name change by NASA, the title of that position is now, Vice President for Human Spaceflight. I needn't have feared. Frank has done a superb job ever since and still serves in that capacity. In recent years, it has been especially fortunate to have a strong person handling that aspect of AMSAT's activities because of the work associated with the International Space

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Station. Frank now serves on the ARISS (Amateur Radio on the International Space Station) Committee which includes representatives from a number of countries including Russia.

Another of the tasks I took on as President was the collection of what was due AMSAT from a company located in the Virginia suburbs of Washington called Interferometrics. Through Jan King, W3GEY's, work with both AMSAT and that company, AMSAT had an agreement to provide Interferometrics with design information on the Microsat series of satellites which AMSAT had built and launched. In return, Interferometrics was to pay AMSAT a specified fee for each of that type of satellite they built. Since they had built and launched one such satellite, the fee schedule indicated that they owed AMSAT the sum of \$42,000.

I made collecting that money my first order of business. Obtaining it required several trips to DC from my new home in Texas to beard the hard-nosed Interferometrics CEO, Mr. Dennis Fecteau, in his den. I also had to do quite a bit of digging to come up with all of the documentation AMSAT had promised. But, I was finally able to gather the material and collect what was due us.

Sometime during 1992, Doug Loughmiller decided to take a position with the University of Surrey in England. That institution, thanks to the work of Martin Sweeting, G3YJO, had become pre-eminent in the Country's space effort. Martin has since been knighted for his accomplishments. It is interesting that in the early 1970s, Martin made a trip to Washington to attend an AMSAT Board meeting to learn about this amateur satellite stuff. Under Martin's tutelage, the University of Surrey and its commercial offshoot, Surrey Satellite Technology have built a number of amateur and commercial spacecraft for Britain and several other countries.

With Doug Loughmiller leaving for England, the job of fund raising in support of AMSAT-NA's role in Phase 3D, fell to me. So, I set out, writing letters to AMSAT members commercial companies and foundations. I wrote articles about Phase 3D for QST and other publications. I made arrangements with ex US Senator

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Barry Goldwater, K7UGA, to appear in a video which AMSAT produced promoting Phase 3D and seeking contributions to support it. Dick Jansson, then WD4FAB now KD1K, and I put on a Phase 3D presentation for the ARRL Board which resulted in the League mounting a campaign which raised over a HALF MILLION DOLLARS. Another very successful effort involved the Hoover Foundation. Pete Hoover, W6ZH, the grandson of US President Hoover, pledged matching funds which resulted in the raising of a total of over TWO-HUNDRED-THOUSAND DOLLARS. We also garnered very generous financial support from AMSAT-UK and JAMSAT. The JAMSAT contribution came following a trip Keith Baker, KB1SF's, my Executive Vice President, and I made to Japan to attend the JAMSAT annual meeting in Kyoto. Altogether, we in North America raised approximately TWO MILLION DOLLARS in support of Phase 3D. AMSAT-DL with some assistance from the German government came up with a like amount. Fund raising was not the entire job. There was a lot of other work to do. It had been decided that AMSAT-NA would be responsible for producing the spaceframe and a large adaptor called the SBS for Specific Bearing Structure. This was an approximately 8 foot diameter ring about 2 feet high. The Phase 3D spacecraft would reside inside the SBS which would then support the commercial payloads above it. When one considers that costs for launching a commercial satellite can run some FIFTY to ONE-HUNDRED-MILLION DOLLARS and the cost to build such a satellite can run a like amount, one can appreciate the importance of the role played by the SBS. Both the Phase 3D spaceframe and the SBS were built by students at Weber State University in Utah under the direction of AMSAT volunteers. This represented but one of AMSAT's continuing efforts involving education.

In addition to the construction of the spaceframe and the SBS, AMSAT-NA was to handle the integration of the spacecraft. This required lab space and a clean room. Since two of our principal technical people lived in Orlando, Dick Jansson and Stan Wood, WA4NFY, it was logical that that area be the site of the Phase 3D Integration Lab. A location adjacent to the Orlando International Airport was secured and equipment begun to be moved in. But a full-time director of the operation was required. It fell to me to find one. Learning that Lou McFadin, W5DID, who had modified and tested much of the hardware that had gone onto the Shuttle

for SAREX, was about to retire from his job at NASA's Johnson Space Center, I induced him to take on the position of Phase 3D Integration Lab Manager. That required both persuasion and quite a bit of finagling with regard to remuneration and benefits to get Lou to accept. But, he did. Others were brought on board as well, all as contract people, not employees of AMSAT-NA. This made book-keeping much easier. AMSAT has only one full-time paid employee, Martha Saragovitz who maintains our Silver Spring, Maryland office.

Throughout 1992 while serving as AMSAT President, I kept up the QST column, "The World Above 50 MHz". That same year, my wife and I put on the Central States VHF Conference here in Kerrville. It was quite a year. But, it became obvious to me that it was time to turn the column over to someone else. One of the reasons, I had hung on to the column was that I feared the League would do away with it. I did not want that long tradition begun by Ed Tilton to be dropped from the pages of QST. But Dave Sumner, K1ZZ, ARRL General Manager, assured me that the column would continue and said that he had persuaded Emil Pocock, W3EP, to handle the job if I cared to step down.

With Dave's assurance that the column would continue and be in good hands, I relinquished the reins to Emil. He did a fine job until turning the Column over to my old PVRC friend Gene Zimmermann, W3ZZ, several years ago.

Though in some ways, I hated to stop conducting the QST Column; not having to meet a monthly deadline was a great relief, particularly with the workload the AMSAT Presidency represented.

In September, 1997, I attended the Small Satellite Conference in Logan, Utah where I met two gentlemen from the University of Toronto, Dr. Robert Zee and Dr. Kieran Carroll. They described an astronomy satellite the University was designing and planned to propose to the Canadian government. It was called MOST (Microvariability and Oscillations of Stars). I immediately observed some flaws in the design and suggested that AMSAT might be of assistance. Receiving a positive response, I drafted an agreement which, with a few changes, was accepted by the University. This began a major effort by a number of AMSAT volunteers to improve the space worthiness of the MOST satellite. AMSAT's suggestion resulted in the University of Toronto being awarded the funds to build and launch the MOST spacecraft. In accordance with the agreement we had concluded, AMSAT received the sum of \$400,000 (Canadian).

It goes without saying that the accident which befell AO-40 (known as Phase 3D prior to its launch) a few weeks after its successful orbiting aboard an Ariane 5 launch vehicle in November, 2000; was a huge disappointment to me and to all

involved in the planning, building, testing and funding of this very ambitious spacecraft. Despite the significant damage the satellite sustained, the command system, central computer, one of the S Band transmitters plus the 70 cm and 23 cm uplinks, continued to function for several years. I, and many others, were able to use AO-40's 2401 MHz downlink for QSOs across North America and throughout the world for several years. In an attempt to convince those who hadn't tried AO-40, thinking microwaves too hard for them, I wrote an article entitled "AO-40 for Us Appliance Operators" which appeared in the November, 2003 QST.

Over the years, I have been pleased to receive several awards. One came in 1982 when I was the first recipient of the Wilson Award from the Central States VHF Society. This award, honoring my old friend, Mel Wilson, W2BOC, formerly W1DEI, was instituted by the Society following his death the previous year. Mel had been a long-time CSVHFS member and had contributed much to knowledge of propagation at VHF frequencies, particularly Sporadic E.

In the early 1990s I was nominated by Ray Soifer, W2RS, to become a member of the Radio Club of America. This is the oldest radio club in the World and it is indeed an honor to be a member. A few years later the Club Board elevated me to Fellow which was an even greater honor.

In 1996, I was selected by the Dayton Amateur Radio Association to be its "Ham of the Year". This is a great honor for anyone but it was particularly pleasing to me that year as I shared the honors with two radio giants, John Kraus, W8JK, who was selected for the "Special Achievement Award" and Bill Orr, W6SAI, received

the "Technical Excellence Award".

Though I stepped down from the AMSAT Presidency in the fall of 1998 and from the Board five years later, I continue my interest in AMSAT and Amateur Radio in general. I am currently active on the bands from 50 to 3456 and have equipment for 10 GHz. I have just acquired a Flex 5000 software defined transceiver and am slowly learning the ins-and-outs of this new kind of radio and what it has to offer.

As well as AMSAT, I am a Life Member of IEEE, ARRL and the Central States VHF Society as well as holding memberships in The Radio Club of America, QCWA, The Roadrunners Microwave Group, the North Texas Microwave Society, SMIRK, SWOT and, of course, the Hill Country Amateur Radio Club.

So, at 81, I keep my hand in and stay interested. I hope to be around for at least one more Solar Maximum and to see the launch of the German Phase 3E, the AMSAT-NA Eagle and possibly an amateur package aboard an Intelsat geostationary satellite - a potential opportunity AMSAT is presently pursuing.

Amateur Radio is becoming more exciting to me every day. And, I'm still learning.

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Cliff Cheng, Ph.D., AC6C, formerly WN6JPA (1975)

1961

Headnote – Many hobbies like amateur radio do not have a well documented “history.” This “history” was compiled from many sources (see endnote); some of them are contradictory. This history is incomplete and should be regarded as a work in progress. There is an absence of YL, minorities, disabled hams and hams from the U.S. territories in this history for they are historically under-represented in ham radio.

This is our thirteenth article in a series of articles on the history of the Novice era in amateur radio. Our first article was in the Spring 2008 issue of the QCWA Journal. That article examined the structure of the Novice license when it was introduced in July 1951. In issue two, Summer 2008, we looked at 1951, the first Novices. Article three told about the early-1950s. The mid-1950s, was covered in the fourth issue. In the fifth installment we looked at the late-1950s. The sixth article considered the what it would take to become the first Novice to earn the DXCC award. The next article we told the story of how Bill Tippet, W4ZV, formerly KN4RID, was the first Novice to DXCC. After that we told the story of the chase to become the first DXCC. Then in two articles we examined early-Novice callsigns. From there we took a first look at school based amateur radio programs. The last article looked at 1960.

1961 was the last full year in which the WV Novice prefix was issued in the second and sixth call districts according to callsign historian Steve Melachrinis, W3HF. Recall in our earlier columns we stated that it was necessary only in the crowded second and sixth call districts for the FCC to issue WV Novice callsigns. Other call districts had sufficient supplies of KN Novice callsigns. The Summer Callbook of 1961 was the first Callbook to list the re-issuance of the WN Novice prefix. The fourth call district was the first district to get WNs again. This wave of WN Novices upgraded to WA#*** callsigns. After the fourth call district, the fifth, eighth, ninth and tenth call districts got reissued WN**** Novice callsigns.

Up until now, one could mostly tell by Novice call sign when someone was first licensed since the Novice was non-renewable and could only be held once in a lifetime. If one had a WN#*** call sign as a Novice, we knew they started sometime between July 1, 1951 to the mid-50s; except there was a brief reissuance of WNs around 1957. If they had a KN#*** call sign as their first call sign, then we knew they started in the mid-50s to early-60s. If one was on the Novice sub-bands from the Summer of 1961 to 1963, one

could possibly hear all four distinct Novice prefixes, WN****, KN****, WV2*** and WV6***!

Novice Roundup in 1961 took place between January 28th to February 12th (QST, July, 1961, pp. 67). 128 Novices plus 54 higher class operator entered (pp. 67). Scott Davies, KN0BPO of St. Paul, MN won Novice round up with 30,555 points (pp. 67). Scott worked 185 stations in 63 sections (pp. 67). The other Novices who scored over 10,000 points were:

Arthur Kapfhammer, KN7LUV, Tacoma, WA, 21,106,
David K. Corey, KN1QFC, Springfield, MA, 14,575,
Michael Sealfon, WV2OCG, Hillsdale, NJ, 13,110,
Jerry Page, KN9WRX, Washington, IL, 12,320,
David Berutich, WV2NAW, East Williston, NY, 12,087,
Gary F. Fisher, KN9WZB, New Carlisle, IN, 11,232,
Curtis A. Smith, KN9YAU, Brookfield, WI, 11,097,
James A. Weitzman, KN9YTJ, Milwaukee, WI, 10,810,

Scott, KN0BPO was 11 years old when he won Novice Roundup (pp. 67). QST ran a picture of Scott and his transmitter, a homebrew 6V6-807 (pp. 67). After Novice Roundup, Scott earned his General K0BPO (pp. 67). Scott's father Cecil Davies is W0YCR (pp. 67). Scott worked over 100 countries (pp. 67). Scott is no longer in the FCC database. Arthur upgraded to K7LUV, David Corey to K1QFC, Michael to WA2OCG, Jerome to K9WRX, Gary to K9WZB, Curtis to K9YAU and James to K9YTJ. There was not upgraded call listed for David Berutich in 1962. Michael and Curtis still have their licenses but we were unable to reach him for an interview. We reached Jerry as we were going to press. His schedule did not permit us to interview him in time for this issue. Check our website for future updates.

We met 15 year old Art Mouton, KN5FNQ, now K5FNQ, who lived in Lafayette, Louisiana in our 1960 article. Art won his state in the 1961 Novice Roundup (see Art's Novice story and section winner certificate at www.Novicehistory.org).

In 1961, QST's Lou “Mac” McCoy, W1ICP continued to write his “Beginner and Novice” column:

January - “A Novice TR Switch: More Operating Convenience for Your Station” (pp. 20-21). Mac describes how to build a transmit-receive switch using a 6AH6.

February - “A Combination Code Practice-Oscillator-Monitor” Two Units for the Price of One” (pp. 19-21).

March - "65 Watts at Low Cost: Discarded TV Set as Component Source" (pp. 20-24). Mac instructs Novices to get a throw away TV set that has a working power transformer and a good 6K6 and 6BG6 so they can build a 65 watt CW transmitter capable of operating on 80 to 10 meters. An additional \$20 in parts would be required. He following month, Mac showed how a 150 watt amplifier could be built from an old TV set and \$25 in new parts for General class hams (April, 20-23, 148).

May - "How to Attenuate Your Harmonics: An Antenna Coupler for 80 Through 10 Meters" (pp. 41-43). Mac instructs Novices to build a link-coupled antenna coupler to reduce harmonics, improve receiver selectivity and sensitivity.

June - "Construction Techniques: Some Tips for the Novice on Building Gear" (pp. 26-29). Mac encouraged Novices to build their own equipment and learn how it works. To facilitate building, he describes what tools are needed. With the advent of PCBs (printed circuit boards), kitting and project boxes, many of these tools are no longer needed for they were for fabricating a chassis.

July - "Plate Modulation for the TV-Set/Surplus Transmitter: More Use of Old TV Sets and Military Surplus" (pp. 22-25). In this article, Mac suggest combining his earlier exciter, amplifier, power supply and modulator into a single chassis.

September - "A Utility Power Supply Made From an Old TV Set" (pp. 38-41).

October - "A Novice Three Band Antenna System: Coaxial Feed With Harmonic Protection" (pp. 54-56). Mac describes a Novice antenna system for 80, 40 and 15 meters consisting of two parallel 80 and 540 meter ladder line dipoles, a low pass filter which he suggested using with a transmatch and TR switches he described in earlier articles.

November - "A Wide Range Transmatch: Matching Network for 80 Through 10" (pp. 51-54). Mac shows readers how to make a 500 watt transmatch with a monimatch included.

December - "A Combination Band Checker, Field-Strength Meter, and Monimatch" (pp. 40-42, 160). (Note - page 160, and any additional pages were not scanned into the file in the QST archives for the first few pages of the article).

Judith Baldwin of Simsbury, CT who is nine years old was licensed as KN1MJA (QST, Jan. 1961, pp. 73). Linda-Jean Pfiel, KN3NEI of Tamaqua, PA was a nine year old YL Novice (QST, Mar. 1961, pp. 64). Young James Stewart, WV6IPS of San Diego, CA won the Ford Motor Company's Outstanding Achievement Award in its Industrial Arts competition (QST, Mar. 1961, pp. 64). James made a Tesla coil. None of these three young hams are in the current FCC database.

Shepard B. "Shep" Porter, WV6OYM of Petaluma, CA received an Official Observer notice that he had "strong parasitic clicks on 6938kc" on April 8, 1961 (QST, July

1961, pp. 77). He voluntarily went off the air for two weeks to learn about the problem, diagnose and correct the problem. He wrote QST's Editor thanking the OO, Stan Wymar, W6ADB, for pointing out the problem and the learning experience it led to. Shep had an exemplary Novice attitude towards learning and improving. We left phones messages for Shep in April 2010 but did not hear back from him.

Roy L. Mote, Jr., KN5FKT of Kingsville, TX wrote QST's Editor thanking them for running Novice articles but asked for more articles which help make the transition from Novice to General (QST, July 1961, pp. 140). We looked up Roy in the current FCC database and could not find him. We hope he earned his General.

Ten year old Camp Fire Girl, Dorothy Barnes, KN1SDM of Sutton, MA was pictured in QST (July 1961, pp. 63) saying she hoped to get her General after going to Camp Albert David which was a ham radio camp. Dorothy held a 10wpm Code Proficiency Certificate. She is now KC4NJA and we were unable to reach her.

Eugene Bosinski, WV2### of Jersey City, NJ wrote QST to tell of the bad experience he had as a Novice (Sept. 1961, pp. 138). In two months he only made four contacts. One of those contacts was a General class ham who lived a few blocks away. The General said he would come over and help but never showed-up. Eugene then wrote the President of the local ham club did not receive a reply. He wrote the Secretary of the club also did not get a reply. It is unknown if Eugene ever got the help he needed. [Note - The scan in QST archives is unclear on the spelling of Eugene's last name and call. He could not be found in a Callbook search. WV2SMW was Richard Jackland].

Opah Monsees, KN3NKE of Washington, D.C. was/is married to Art Monsees, KR6AM who was in the military stationed in Okinawa (QST, Nov. 1961, pp. 92). Opah used their family's Collins S-Line to keep in touch. Neither Monsees is in the current FCC database. Dottie Cohen, WV2RPN of Oceanside, NY was a mother of three children (1, 3 and 4 year olds). Yet she managed to take a daily ham radio break and get on the air (QST, Dec. 1961, pp. 73). She and her husband (name and call unknown), WV2RPC had a Heath DX-20 transmitter and a Hallicrafters SX-101 receiver. She upgraded to WA2RPN but is not in the current FCC database.

Kitt Carr, KN7QNN of Los Vegas, NV earned the WAC in 1 1/2 hours on 40M CW by working XE2, HK7, UA3, JA1, ZK1 and JZ01 with her Johnson Viking II transmitter and Hallicrafters SX-110 receiver into a dipole on 1800 PST on September 16, 1961 (QST, Dec. 1961, pp. 74; Feb. 1962, pp. 57). Kitt was a junior at Las Vegas High School where he was the Secretary-Treasurer of the school's ham club. Kitt is not in the current FCC database.

(continued on page 48)

Our Newest Members!

Spring 2011

Date	Mem. #	Name	Call	City	ST/PR	SPONSOR	SCALL
10/5/2010	35274	ARNOSCHT, OTTO J	N4UZZ	WETUMPKA	AL		
10/5/2010	35275	CAVE, GARY	WA6U00	LA PORTE	IN		
10/5/2010	35276	HALL, JOHN D	WD4SFG	MIAMI	FL		
10/5/2010	35277	SWIGART, JAY	KC4PHR	SHEPHERDSVILLE	KY		
10/6/2010	35278	PUMPHREY, C RICHARD	WN9DDV	KNOXVILLE	TN		
10/6/2010	35279	TIRRELL, HARRY D	W1LQU	ROCKWOOD	TN		
10/8/2010	35280	VALDINA, JON	W2WB	AUBURN	NY		
10/8/2010	35281	WEAVER, CHARLES B	W3VAR	LEESBURG	VA		
10/13/2010	35282	BINGHAM, LEO CHARLES	WY7LL	PINEHAVEN	WY		
10/15/2010	35283	DUX, FRANK J	WB2LZW	CLINTON	NJ		
10/15/2010	35284	WILEY, DAVID G, JR	K3MXS	READING	PA	DUANE C REDLINE	
10/18/2010	35285	BAIR, JAMES P	N0AJI	KANSAS CITY	MO		
10/18/2010	35286	BRENNAN, DONALD J	WB8KPE	WHEELING	WV	NORMAN RUSSELL	
10/18/2010	35287	MILLER, LARRY D, SR	WB4ZBY	NEW SMYRNA	FL	KEN SIMPSON	
10/19/2010	35288	YOUNG, WILLIAM R, JR	KA4VYH	TITUSVILLE	FL	KEN SIMPSON	
10/19/2010	35289	WEBER, MARK J	AB4IX	TITUSVILLE	FL	KEN SIMPSON	
10/19/2010	35290	REECE, DOUGLAS K	AK4AO	ANNANDALE	VA		
10/20/2010	35291	MOUNTJOY, TONY	VE6MX	CALGARY	AB	KEN OELKE	
10/20/2010	35292	DESKUR, ANDREW J	KA1M	VESTAL	NY	MIKE GRUSVKA	
10/22/2010	35293	DOLL, RICHARD D	KU4PY	MONTGOMERY	AL		
10/25/2010	35294	BATCHLER, VIRGINIA M	KA3PYO	CAPE CORAL	FL		
10/25/2010	35295	SORVARI, JOHN	K1ARG	BOXBORO	MA		
10/26/2010	35296	LE DUC, DAVID	N1IX	NEWTON	NH		
10/29/2010	35297	BROWN, KURT A	N18K	SHAWNEE MISSION	KS	CAROLYN HARRISON	
10/29/2010	35298	KROUT, HARRY L	W0YQG	SPRING HILL	KS	CAROLYN HARRISON	
10/29/2010	35299	HALL, CHARLES	WB7E	KEARNEY	MO	CAROLYN HARRISON	
10/29/2010	35300	DE VAULT, JUSTIN E, JR	W4XW	TUSCULUM	TN	KEN SIMPSON	
10/29/2010	35301	PEARSON, RICHARD	N7PHB	NAKNEK	AK	KEN SIMPSON	
10/29/2010	35302	LYLE, RICHARD	WB4LLv	ERWIN	TN	KEN SIMPSON	
10/29/2010	35303	FITTS, MARLIN	K4UOT	KNOXVILLE	TN	KEN SIMPSON	
10/29/2010	35304	KENIMER, JOHN R	KB4QYY	HIGDON	AL	KEN SIMPSON	
11/1/2010	35305	SCOTT, CHRISTOPHER R	W4NEQ	BOWLING GREEN	KY	KEN SIMPSON	W8EK
11/1/2010	35306	SABIN, GEORGE S	WA5KSC	SENECA	SC	KEN SIMPSON	W8EK
11/1/2010	35307	COMBE, GERALD LOUIS	WA6FAL	RESACA	GA	KEN SIMPSON	W8EK
11/1/2010	35308	DOBBS, BILL	K4TSF	CHATTANOOGA	TN	KEN SIMPSON	W8EK
11/2/2010	35309	METTLER, RONALD K	WB4GHU	SANFORD	FL	AL LA PETER	W2AS
11/2/2010	35310	BYERS, CHARLES PATTERSON	VE3EUR	OTTAWA	ON	ROBERT MAC KENZIE	VA3RKM
11/05/2010	35311	SIEGMUND, GERALD	VE6CPP	LETHBRIDGE	AB	KEN OELKE	VE6AFO
11/09/2010	35312	BLASER, BRUCE A	N0HD	CRESO	IA		

Spring 2011 new members (continued)

Date	Mem. #	Name	Call	City	ST/PR	SPONSOR	SCALL
11/09/2010	35313	SMALLWOOD, JIM	N7RCS	MOSCOW	ID		
11/15/2010	35314	TRAIN, KURT	K1ITS	BLACKSTONE	MA		
11/15/2010	35315	PATTEN, JAMES T	KA1GC	WESTWOOD	MA		
11/15/2010	35316	SALLEY, PHILIP C	K4PO	MONTGOMERY	AL	MARK WINTERSOLE	WB5NMZ
11/15/2010	35317	BARICH, RUDY W	AA7IC	SPARTA	TN		
11/15/2010	35318	MARLER, DAN L	K7REX	BOISE	ID		
11/16/2010	35319	GLENNON, MICHAEL D	KB4JHU	TULLAHOMA	TN	GEORGE A STONE	WD4CYV
11/16/2010	35320	OBENCHAIN, KENT L	WB9AMI	BROWNSBURG	IN		
11/19/2010	35321	ELSTON, BECKY L	KP2Y	BELLINGHAM	WA	JAMES S ELSTON	KP2X
11/22/2010	35322	MC CULLEY, GEORGE A	WA6TVD	RENO	NV		
11/23/2010	35323	SZADIS, GEORGE R	K1GDI	WINTHROP	ME	JOSEPH BRUCE RANDALL	W1ZE
11/24/2010	35324	CORNELL, BETH LYNNE	W2BIW	KINGSTON	NY	WILLIAM R CORNELL	W2TXU
11/26/2010	35325	SAUL, HERMAN J	NOHLS	MINNEAPOLIS	MN		
11/29/2010	35326	BROWN, RICHARD H, JR	N5BUD	BATON ROUGE	LA	DAVID ASSAF	W5XU
12/1/2010	35327	SCHROCK, STEPHEN N	W4PLV	PLANTATION	FL	W G ROACH	VE3BNO
12/2/2010	35328	HINER, HORACE RICHARD, JR	W4HMK	BIG ISLAND	VA		
12/8/2010	35329	COPELAND, CHARLES T	W4CTC	TAMPA	FL		
12/13/2010	35330	ALLISON, BARRY	VE3NJK	GREELY	ON	NORM RASHLEIGH	VE3LC
12/13/2010	35331	STRANDBERG, JOHN A	W4DX	GREENSBORO	NC		
12/14/2010	35332	BRADY, JIM	W9JB	ELBURN	IL		
12/14/2010	35333	MORGAN, JOHN W	W9YX	KEVESPORT	IL		
12/15/2010	35334	DOVE, HENRY F	K05H	VICTORIA	TX		
12/15/2010	35335	WASSON, JAMES	N7ELL	TEMPE	AZ		
12/20/2010	35336	BURKE, BRIAN	G4HIY	DARLINGTON	GB		
12/21/2010	35337	HARNDEN, CRAIG A	KI4DN	INGLIS	FL	KEN SIMPSON	W8EK
12/28/2010	35338	BEFORD, BRUCE C	N1RX	NEWPORT	NH		
12/28/2010	35339	MILLER, RICHARD S	W5RSM	BLUFFTON	TX		
12/28/2010	35340	SPROUL, MAURICE L	W5UGQ	AMARILLO	TX		
12/28/2010	35341	MILTON, WALTER	KA2NJF	CAMDEN	NJ		
12/29/2010	35342	PAGE, DONALD M	KB7SP	ANACORTES	WA		
12/29/2010	35343	DRAUGHN, LARRY A	AE4LD	ASHEBORO	NC		
12/29/2010	35344	PETERS, ARTHUR C	K0ACP	IOWA CITY	IA		

Novice History -1961

Howard Welch, WA6SES, of Paradise Cove, CA was WN6SES when he was a 16 year old Novice in 1961 (QST, Apr. 1964, pp. 88). He elmered his mother Marie to become a ham, WB6DNW. It only took Marie two months to attain 15wpm (pp. 88).

Longer versions and when available pictures of the 15 Novice stories in this article can be found on the Novice Historical Society's website, (www.Novicehistory.org). In 1961 Chicago area fifth grader Carl Luetzelschwab, K9LA, came across a book in his school's library called "SOS at Midnight." He also read the Hardy Boy's short wave mystery series. Carl became a shortwave listener. From there Carl discovered ham radio and became a novice, WN9AVT via his school's ham radio club. Carl these days is well known as a contestor and Editor of the ARRL's propagation newsletter.

Bob Lightner, W4GJ became WN4JOM in 1961. Bob became a ham through the Boy Scouts, at Camp Sebring in Lake Sebring, FL. When the other Scouts were learning boating, Bob kept sneaking back into the camp's ham shack to learn more ham radio.

Ham radio author Jim Cain, K1TN learned Morse code out of the Boy Scout Handbook so he and his friend Steve Bartz, WN9DVS, now AD5UQ, could pass notes in class. The teacher did not know Morse code. Jim and Steve learned Morse code in written form as dots and dashes, so they could outsmart their teacher!

Jim was a determined youngster. He did not know any hams in Richmond, IN but saw a tower and beam. He had his father drive him over to that house and introduced himself to Les Fraser, W9DD (sk). Les gave Jim his Novice exam; enabling Jim to become WN9AUM. Les gave Jim a schematic and some parts so Jim could build a 6L6 transmitter. Jim got a 250 volt shock from the 6L6 which led him to become an English major in college rather than an EE.

St. Louis, Missouri, 12 year old Terry Schieler, WØFM started of as a SWL before earning WNØCNO. His elmer was the TV repairman father of a classmate. Navy radio operator Joe Park, WB6AGR, or WN6AGR as a Novice, discovered ham radio from a colleague in 1961. Also in 1961, Richard Pumphrey was a member of the Carmi Township High School Amateur Radio Club, in Illinois. Richard did not pass his General exam back then, but quickly passed his Novice and General exams in the 1970s and got his old Novice call WN9DDV back which he still uses today!

Russ Young, WA2VQV was issued the Novice callsign WV2VQV in September of 1961. He was 24 and living in Brooklyn, NY. He had learned to copy 23wpm as an radio (Morse) intercept operator in the Air Force. With his CW talent, he only needed to be a Novice for 9 weeks.

In March 1961 Mike Clarson of Colonia, NJ earned WV2ZOW. Mike was a tenacious 10 year old. He taught himself the theory and code. When he was ready for his Novice exam, he did not know any hams who could give him the test. So he got on his bike and rode around until he found an antenna. At the first hams house, the ham was not yet 21 years old and could only give Mike the code exam – which he passed. Mike's father had to give him the written test. When his license came, Mike did not know to get himself on the air. He got back on his bike and rode around the neighborhood. He met Art Lawler, K2HFL who loaned him a 80M command set. Mike built a 6AG7 transmitter and made 14 QSOs as a Novice. Mike got his Novice call back in the late-1970s.

1961 Novice Ron Tamurello, K6RG, was WV6UTF. On 2M AM in Los Angeles, he met one of the most popular hams in Los Angeles at the time, Tap, W6TDM, a very kind blind African-American ham who was a friend to all. Tap became Ron's CW elmer (see: <http://sites.google.com/site/tapw6tdm/>). Tap would audio couple his code practice oscillator to his Gonset Communicator and send CW practice to Ron on 2M AM. Ron passed his General, WA6UTF the following year.

In the July 1961 issue of Popular Electronics, Gary Yantis, KØBHM, who had since earned his General and DXCC, had his Novice, KNØBHM, photo featured. Like other Novices who had their pictures printed in the magazine, Gary received a free one year subscription. Gary is now WØTM.

Rick Swain, KK8O, of Galion, OH was a 1961 Novice, KN8AIT. He was the model of good old-fashioned ham resourcefulness. He built a 6L6 transmitter out of parts his friends gave him. He bought a WWII surplus BC-453 receiver. His antenna was made of wire salvaged from an old transformer. He was given coax. He bought insulators for \$0.15 each. Rick used lamp cord as a transmission line to feed his dipole. Half-way through his Novice year, Rick took and passed his Technician exam. The FCC issued him WA8BTG. He wrote the FCC and requested they drop his N off of his Novice call. The FCC then issued him K8AIT.

In 1961, Mark Nelson, AJ2K earned KN8ZHD in Canton, OH. Mark bought a Hallicrafters S-85 receiver from his paper route earnings. His parents gave him an Eico 723 60 watt CW transmitter kit. Also in 1961, Bill Husted, KQ4YA, or KN5JFG as a Novice, did not know about SWR so he used a 20M beam his uncle gave him on the 40M and 15M Novice bands. It worked for him!

Glenn Kurzenknabe, K3SWZ earned KN3SWZ in 1961. Glenn worked with what was available to him as a 15 year old in Camp Hill, PA. All he had was a high wattage soldering iron which made a mess of his Knight T-60 transmitter kit. Knight fixed it, for a fee. He did not know he needed coax so he used 300 ohm TV twin lead. He did not get any replies to his CQs. When he later switched to coax he

worked 20 states and a VE3.

Rick Tavan, N6KI's 1961 Novice story is a father-and-son story. Since he was a 10 year old kid in Silver Spring, MD, Rick's father Norm Tavan, did not trust him to build a SWL receiver kit. So Norm built it for him. Norm discovered he liked electronics. The two of them became hams together. Rick became KN3QDC and Norm was KN3QDD, later K3QDC. They had QSL cards printed with both their calls.

Doc (Maurice) Bender, was licensed as a Novice on October 30, 1961 as KN3QBL (sk). We earlier met Maurice in our 1951 history when he was driving his son Dick Bender, W3SYY, to the FCC in Philadelphia to get take his Novice exam. Doc lived in Cumberland, PA. He had been a SWL for years and even built radios from articles in QST. At first his was shy about getting on the air. Dick demonstrated how to get on the air by making several contacts. Doc then got over his shyness. Doc had a Knight kit transmitter and a Hallicrafters S53A receiver with a Heathkit Q-multiplier. Doc also had a World Radio antenna tuner and Heathkit SWR meter going into a 75ft. end-fed long wire which rose to the 20ft. Tower. Doc upgraded to Tech and was K3QBL.

By the early-60s there was lots of used Novice equipment available from 1950s Novices. Kent Gardener, WA7AHY, bought a used Heathkit AT-1 from a fellow undergraduate student at Utah State University. Kent already had a National SW-54 receiver. The first time Kent went on the air with his new Novice call, KN7PML, no one came back to him so his two buddies Dave Henry, K0BBN/7 and Al, K7MSR went into the next room and set up a make-shift transmitter with a VFO, power supply, key and hook-up wire to give Kent his first two QSOs. Kent may hold a record for the shortest first Novice CW QSO with a distance of 15 feet!

In the next article in this Series, we'll look at 1962. We invite former Novices to send in their Novice stories and photos to www.Novicehistory.org. We are in need of more Novice stories from the late-1960s to 2000. Please do not think your Novice story is too average, unaccomplished, uninteresting, or too short. Please contact us and we will help you tell your story and record it in amateur radio history.

Sunday Night QCWA Net – Please check into the QCWA's Sunday night, 7:30pm (PST) net. All QCWA members are invited to check in through EchoLink, node 8722, K6VGP-R or IRLP, 3566, or if you are in the Los Angeles area via RF on the DARN.org repeater system, K6VGP.

References – See the disclaimer in the headnote. Most of the history in this series is based on stories told by Novices of the era on the website of the Novice Historical Society, www.Novicehistory.org, interviews with former Novices and QST magazine archives. Steve Melachrinis, W3HF's callsign history research has been invaluable in documenting historical facts that have shaped this series. Thanks to Dennis

Kidder, W6DQ, Jan Perkins, N6AW, John Davidson, W4EQ and Carl Leutzelschwab, K9LA for their callsign lookups for this article. The background information in this series comes from several sources. One of the main background sources is Bill Continelli, W2XOY's "The Wayback Machine" <http://ham-shack.com/history.html> amateur radio history series. Rodney Dinkins, AC6V's (sk) outline was helpful, www.ac6v.com/.

Cliff Cheng, Ph.D., AC6C, has been a happy ham since 1975 when he earned his Novice license, WN6JPA, at John Burroughs Jr. High School in Los Angeles. Cliff's teacher, Ted Ryan, WB6JXY (sk), was a ham radio teacher for 35 years and grew a large and rich ham radio culture at school by teaching 6 novice classes a year, plus another 6 Novice classes for the San Fernando Valley Amateur Radio Club, W6SD. Ted's memorial site also contains Novice history, www.TedRyan.bappy.com. Cliff started the Novice Historical Society so hams could share their novice stories and pictures, www.Novicehistory.org. Cliff put up a web-page to honor Lenore Jensen, W6NAZ (sk) who historically was one of ham radio's most significant YLs, www.KI6CM.bappy.com. Cliff is a QCWA (33455) and ARRL life member. July 2008 QST, (pp. 65) named Cliff to the top of the Public Service Honor Roll, under his old callsign WW6CC. He can be reached at: AC6C - at- ARRL - dot-net if you care to share your Novice story and pictures.

Hamvention 2011

QCWA Banquet

Friday, May 20, 7:30 PM

Holiday Inn, Dayton Airport
... Your Hamvention HQ
NW corner of N. Main St. and I-70.
(Engelwood)

Presentation:
"My Life as an Artist"
by Richard Black

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3CW2000A7	3CX3000A7	4CX350F	4CX10000D	811A	7092
3CX100A5	3CX6000A7	4CX400A	4CX15000A	812A	3-500ZG
3CX400A7	3CX10000A7	4CX800A	4X150A	813	4-400A
3CX400U7	3CX15000A7	4CX1000A	YC-130	833A	M328 / TH328
3CX800A7	3CX20000A7	4CX1500A	YU-106	833C	M338 / TH338
3CX1200A7	4CX250B	4CX1500B	YU-108	845	M347 / TH347
3CX1200D7	4CX250BC	4CX3000A	YU-148	866-SS	M382
3CX1200Z7	4CX250BT	4CX3500A	YU-157	872A-SS	
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Publicity	Chair, Larry McCalvy, WA9JMO; Vice-chairman, Bob Smith, KK3P

A complete list of committee members is available on the QCWA Web page: <http://www.qcwa.org>

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NAME	HONORING
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CHAPTER 112	CHAPTER SILENT KEYS
CHAPTER 112	VE3CT

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2010 CRAZY TWO-METER ANTENNA CONTEST!

– A Great Success!

By Woody – K3YV, Chapter 203 President

The Crazy Antenna Contest is a well deserved name, and this year was no exception. There were four entrants, and all of them were great, wonderful, and crazy.

Joe, KA3GBC entered a model railroad-train-antenna complete with miniature farm, barn, cows, and a working electric train that went round and round while the antenna was in use. The actual antenna was the barn's silo, and the wire on model telephone poles was the ground plane.

Jim, KB3TBX had the H.A.A.T. antenna (height above average terrain antenna.) Now we have all heard the term HAAT as used with antennas, but Jim gave us a new twist on the expression. Jim had a hard hat with a vertical antenna extending out of the top. The height above average terrain was the height of Jim's shoe heels - he brought several pairs of shoes for HAAT adjustment. I suppose Jim would do well in high heels, but I don't think we should go there.

Mike, N3LI had the toilet antenna. Now this was a moving experience. Mike brought in a real toilet complete with a split ring seat. In addition, Mike became part of the display; he was dressed as a burley red-neck wearing a tee shirt with cut off sleeves and a big old cigar. Mike set up the toilet, dropped his pants (at least he kept on his bright red drawers) and sat down for a crazy antenna chat. Hollywood could not have cast this better. The antenna was a dipole attached to the bottom of the seat – vertical polarization when the seat is up, horizontal polarization when the seat is down. Obviously, gender has something to do with polarization.

The winner this year (by the live applause-o-meter) was Greg, K3GEM with his Santa Claus antenna. Everyone agreed that this was an up-lifting experience. Greg had a life-sized cardboard Santa Claus. Now then Santa was wearing a genuine under-wire woman's under garment. Yep, you guessed right – the under wire formed a dipole antenna. However, the antenna needed tuning, so various items were loaded into the dual pockets until the SWR was properly adjusted. Correct tuning was achieved by loading the antenna with a pair of cantaloupes. The antenna worked well, but Santa was sagging a little.

All of our antenna entrees this year were great, and all of them were winners for sure. The presentations were excellent; everyone was greatly entertained, and the antennas were definitely crazy. A very special thank you and well done go to each of our entrants. All of them did a lot of work and deserve many attaboys. Thanks guys, I can't wait until next year.

P.S. – Last year among others, we had the Pizza antenna, the Jell-O antenna, and the miniature bent-over gnome antenna with a rubber ducky sticking out from you know where. (Honest, you can't make this up.) Anyway, the Jell-O antenna won by a wiggle.

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WANTED: OLD CALLBOOKS WANTED to complete gaps in my personal collection. Please state year, honest description of condition, and your term\$ in 1st e-mail. Thank you! (Life Member QCWA & ARRL) NL7XM@arrl.net

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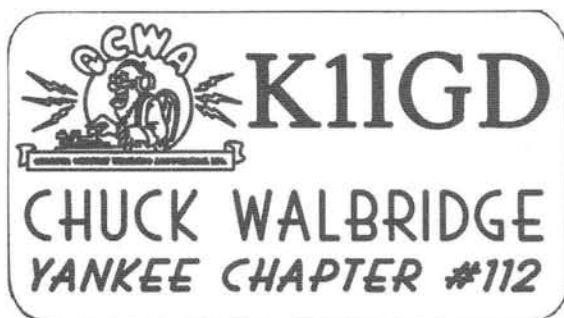
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The order blank is printed below. The badge comes with a standard clip and a bola clip. **Additional cost options:** Pocket Clip - Bola Tie (specify color) - Magnetic Backing. Note: Badge cannot be ordered with both a pocket clip and Bola clip.

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Silent Keys

With great sadness we record the passing of these members

NAME	CALL	MEM. #	L	CITY	ST/PR
ANDERSON, KEITH B	W7LQU	22479		RIGBY	ID
BENTON, DAVID	W2WSE	04281	L	EVANSTON	IL
BROWN, DONALD F	W1JSM	09654	L	GREENLAND	NH
BROWN, JERRY D	WB6MWT	34954		BREA	CA
CARON, ARMAND L	WA3TNQ	19042		ROCKVILLE	MD
CHAMPA, JOHN J	K8OCL	17762	L	RICHARDSON	TX
CROW, MAURICE H	W8SEM	09478		DAYTON	OH
EGELBERG, STANLEY	W2WQK	25073		DEERFIELD BEACH	FL
ERICKSON, HELGE J	W7DIV	23290	L	HOQUIAM	WA
HENDERSON, ANDREW	W8SR	06078	L	DAYTON	OH
HOLTMAN, H BERNARD	W4GO	30782	L	VENICE	FL
KNOFF, KENNETH L	N9NBC	25100		KENOSHA	WI
KROGSTAD, MILTON O	W0FKG	26984		OMAHA	NE
MC KEEVER, JAMES J	WD4DPA	19628		OCKLAWAHA	FL
MOLTRUP, GLENN R	W3BPA	13842	L	SMITHSBURG	MD
RANNEY, JAY A	K7WYC	29690		SPARKS	NV
SODERBERG, JOHN W	W1AKV	29864		WESTON	VT
SPENCER, ARTHUR G	VE3AGS	09283	L	JORDAN	ON
TAYLOR, CROFT B	VE3CT	10160	L	KANATA	ON
TESKE, VERNE D	W9RYA	19696		OAK CREEK	WI
WOODWARD, LEONARD A	W7KOP	23688		PROVO	UT
YEATHEARD, KEN	VE6KY	22666	L	SPRUCE GROVE	AB

Chapters On The Air!

NUM NAME	DAY	TIME	NCS	FREQ	NUM NAME	DAY	TIME	NCS	FREQ
FL SSB	SAT	1300Z	W4KOG	3955	89 PALMETTO STATE Chapter	SAT	0843L	N4RM	3930
QCWA SSB	SUN	2000Z	varies	14347	89 PALMETTO Chapter	SUN	1700L	N4RM	3695
FL SSB	WED	1500Z	W4NWF	7274	91 VIC CLARK Chapter	SUN	0900L	VARIES	146.79 -
CONEX	SUN	0815L	W2NBT	3917	102 DAKOTA Chapter	SUN	1400Z	VARIES	3889
QCWA CW (Eastern Time Zone)	WED	2000L	N6SL	7.035	106 GERMAN Chapter	MON	1630Z	DL0QCW	3773
1 CLEVELAND Chapter	WED	2000L	W8LYD	146.85 -	106 GERMAN Chapter	TUE	1730Z	DL1MEB	3576
2 CHICAGO AREA Chapter	1stTh	2130L	W9MOL	147.15 +	108 BEAVER STATE Chapter	WED	0800L	VARIES	3854
5 DELAWARE VALLEY Chapter	SUN	0945L	WA3DSP	3917	109 BATON ROUGE Chapter	SUN	2000L	VARIES	146.79 -
6 PITTSBURGH Chapter	SUN	0830L	N3GHI	147.03 +	109 BATON ROUGE Chapter	SUN	0800L	VARIES	3905
7 SOUTHERN CA	SUN	1000L	W6ZRZ	147.360 +	110 KANSAS Chapter	SAT	0730L	NOLL	3920
			ECHOLINK 8722		111 W PALM BEACH Chapter	T,TH,SAT	1900L	VARIES	147.045 +
7 SOUTHERN CA	SUN	1000L	W6ZRZ	446.24-		pl 110.9			
7 SOUTHERN CA	SUN	1100L	K6CD	7034	112 YANKEE Chapter	SUN	0830L	W1GCA	3906
7 SOUTHERN CA	SUN	0900L	W6LPJ	3917	114 NORTH TEXAS Chapter	SAT	0830L	WA5BXH	3933
8 UPPER MIDWEST Chapter	SAT	0800L	WOOFY	3908	119 TIDEWATER VA	SUN	2100L	WQ4CWA	146.97 -
8 UPPER MIDWEST Chapter	SAT	0900L	N0GI	145.45 -	119 TIDEWATER VA	SUN	0800L	WQ4CWA	3947
	Sep-May	0900L	N0GI	145.450	123 LEE DEFOREST Chapter	SAT	0730L	VARIES	3940
	echo link #89680		NOVBE	145.450	126 PIEDMONT Chapter	SAT	0845L	VARIES	3825
9 SOUTHWEST OH	SUN	1330L	W8TIV	3975	128 PELICAN Chapter	SAT	0900L	VARIES	145.29 -
10 MICHIGAN Chapter	SUN	0800L	VARIES	3.903	130 INLAND EMPIRE	WED	1930L	W6HV	1.896
10 MICHIGAN Chapter	SUN	1430L	VARIES	3.530	130 INLAND EMPIRE	SAT	0800L	W6HV	3.922
11 NORTHERN CA	SAT	1000L	WB6IMX	146.85 -	130 INLAND EMPIRE	FRI	1600L	W6HV	3.922
11 NORTHERN CA	SUN	0930L	WA6AFT	3907	134 PINE TREE	SUN	1400L	VARIES	3942
14 SAN DIEGO Chapter	WED	2000L	VARIES	146.640 -	135 MID-MICHIGAN Chapter	TUE	2000L	VARIES	146.70 -
16 ARIZONA Chapter	SUN	0700L	W7LGB	3890	138 MARCONI Chapter	TUE	2100L	VARIES	147.045+
17 ALLENTOWN-BETHLEHEM	SUN	1200L	W3GOS	3990	140 WYOMING Chapter	SAT	0800L	AB7BJ	3923
20 Chesapeake	THU	2000L	KR3AB	146.76 -	145 Smokey Mountain	FRI	0830L	WA4CNI	3976
				pl 107.2	146 TWIN STATE Chapter	SUN	0830L	VARIES	3912
21 CANTON OH Chapter	THU	1930L	VARIES	145.11 -	146 TWIN STATE Chapter	THUR	1900L	VARIES	146.76 -
25 NEBRASKA	SAT	0830L	VARIES	3.982	149 NUTMEG Chapter	SUN	1030L	W1EFW	3923
28 CENTRAL NY/ENDLESS MTNS	SUN	1030L	VARIES	3.917	150 DEL-MAR-VA Chapter	SUN	0900L	NQ4Q	146.820 -
29 FINGER LAKES - NY	TUE	1900L	WB2YGN	53.050 -	151 WILD ROSE Chapter	MON	1900L	VARIES	3747
				pl 71.9	152 ROYAL PALM Chapter	MWF	1630L	K4FA	14190
30 SOUTH CHARLESTON - WV	SUN	1500L	VARIES	3.865	160 UTAH Chapter	SAT	1100L	VARIES	7272
31 READING,PA Chapter	MON	2100L	VARIES	146.91 -	162 SOUTHEAST WI	THUR	2100L	N9NBC	147.27+
32 GATOR Chapter	SAT	0900L	VARIES	145.29 -	165 YORK COUNTY PA	WED	2100L	W3EDO	147.33+
33 GUNDERSON PENN-JRSEY	DAILY	2000L	W3APE	3987	166 COLONIAL PA	Sun-Fri	0900L	VARIES	146.985 -
33 GUNDERSON-PENN-JRSEY	DAILY	1000L	W3APE	14263	169 SACRAMENTO VALLEY	M/THU	1730L	VARIES	3947.5
35 MIDCONTINENT Chapter	THU	2030L	NOUYN	146.94	173 GOLDEN TRI Chapter	TUE	1930L	W9JRY	145.39 -
37 HARRISBURG Chapter	WED	2100L	K3IUY	147.12 +				ECHOLINK node 360259 K4FC-L	
38 SAN ANTONIO Chapter	SUN	2030L	WA5KRP	147.380+	181 HUDSON VALLEY	SUN	0815L	W2NBT	3917
41 DALLAS Chapter	SUN	0715L	VARIES	3835	181 HUDSON VALLEY NY	TUE	2030L	VARIES	147.060 +
45 CITRUS Chapter	TUE	1930L	VARIES	147.195 +	182 NORTHEAST TN	SUN	2100L	W4CZ	145.110 -
46 FOUNDER'S Chapter	SUN	0815L	W2NBT	3917	183 PIONEER Chapter	SUN	0930L	VARIES	3923
49 PEACH STATE Chapter	SAT	0900E	K4VN	3857.5	191 MONTEREY BAY Chapter	TUES	1930L	VARIES	146.70 +
49 PEACH STATE Chapter	WED	2000L	K4VN	145.41 -				pl 94.8	
51 TEX-LA GOLDEN TRI	MON	1830L	W5AL	146.85	194 HAWAII Chapter	1st S	1500L	KH6B	7088
55 WI Chapter	SUN	0830L	WA9UVK	3985	196 EDISON Chapter	DAILY	0730L	VARIES	147.345 +
58 CO Chapter	SUN	0900L	W9KRE	3910	198 MID SIERRA Chapter	SAT	0700L	VARIES	3908
58 CO Chapter	SUN	0930L	VARIES	146.67-	205 EASTERN IN Chapter	MON	2000L	VARIES	147.045+
62 SUWANNEE Chapter	SAT	0900L	N6SL	3940				pl 131.8	
63 CENTRAL OK Chapter	SUN	0730L	W5AS	3845 kcs	210 OMAHA Chapter	TUES	1900L	WOOMA	147.36 +
63 CENTRAL OK Chapter	THUR	1900L	W5HXL	147.105 +	211 NEOSHO VALLEY Chapter	SAT	0900C	VARIES	3907
64 EL PASO Chapter	SAT	0830L	W5RO	3933		EXCEPT 4TH SAT			
65 NIAGARA FRONTIER	SUN	1330L	W2QI	3900	212 MID-OHIO	2nd THU	1930L	VARIES	146.760 -
67 AUSTIN Chapter	SAT	0900L	W5MDL	3920				pl 123.0	
70 NATIONAL CAPITAL	MON	1930L	VE3QCW	147.030-	213 FRESNO CA	4TH MON	1930L	VARIES	146.850-
76 BLUE RIDGE Chapter	SAT	0845L	K4HU	3.625 Mhz				pl 141.3	
81 LONG ISLAND QCWA Chapter	FRI	2030L	W2TLC	146.745 -	213 FRESNO CA	4th MON	1930L	WQ6CWA	443.250 +
81 LONG ISLAND Chapter	SUN	1130L	W2TLC	3917				pl 107.2	
85 ARK-LA-TEX	CST MON	1930L	WA9PZL	146.670 -	219 NEW-UP Chapter	2nd SAT	1600C	W8DXX	3838.
85 ARK-LA-TEX	CDT MON	2000L	WA9PZL	146.670 -					

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Fees Effective 1/1/2011

For Official Use Only

Membership No. _____

Date _____

First Licensed Year _____

Deposit Record _____

New Application? _____ **Renewal?** _____ **Original QCWA No.** _____

I, _____ (Print Name Clearly) _____ Present Call _____

having been licensed as an amateur for 25 years or more and presently holding the call listed above,
(it is not necessary to have been licensed the entire 25 years) hereby apply for membership in QCWA.
I understand that proof of the original date of licensing is required. My complete mailing address is :

Street Number and Name _____ City _____ State _____ Zip Code _____
E-Mail Address _____ Telephone Number _____
I will keep QCWA Headquarters advised of changes in my address and/or call sign. My first Amateur
license was dated _____ and the Call was _____ Other Calls held _____

Date of Birth _____

I wish to become affiliated with QCWA Chapter _____

Your Signature _____

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0111 A

Member Supplies

CERTIFICATES

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- **QCWA Gold Certificates** celebrate the 50th anniversary of licensing. Issued without charge to eligible members upon proof of year of first license.
- **Gold Certificates** are issued in five-year increments; 55, 60, 65, and 70-year certificates free of charge to eligible members. Special awards are issued for 75 years and higher.
- **Fifty-Year Continuous Licensing Gold Certificate** available to eligible members. Requires submission of proof of continuous licensing. Applications are available from QCWA Headquarters.
- **QCWA Century Club Certificate** is issued to QCWA members whose age, when added to their number of years as a QCWA member totals 100 or more.
- **Meritorious Award Certificate** is issued by Headquarters upon request of any active QCWA chapter. One such award is authorized for each chapter each year. The award may be given to recognize unusual dedication to QCWA or amateur radio.

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- **QCWA Worked 100 Members Awards** are issued to QCWA members who have contacted at least 100 QCWA members.
- **QCWA Worked 60 Chapters Awards** are issued to QCWA members who have contacted members of 60 chapters.
- **QCWA Worked 500 Members Awards** are issued to QCWA members who have contacted 500 QCWA members.

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